See Civil Engineers Drawings for Grading and Drainage Information Not Shown in These Drawings.


Construction Notes:

7. Upon execution of the contract, provide the landscape architect and owner with a critical path schedule to include each item, lead time, order and installation date for substantial completion.

3. Check Dimensions, framing conditions and site conditions before starting work. Any discrepancies or possible deficiencies between the drawings and specifications with field conditions shall be outlined on specified boxes.

4. Coordinate and cooperate with contractors of attached, adjoining and interfacing work of other trades.

11. Verify and be responsible for dimensions and conditions at the job site. Report discrepancies to the immediate attention of the owner and the landscape architect.

9. The drawings and specifications represent the finish structure, construction means and methods, safety conditions at the work site. These plans shall not constitute an agreement or contract between the owner and the contractor.

10. Verify property lines prior to commencing work. No construction item, including footings, shall extend beyond property line. Noted.

12. Conform to latest Uniform Building Code and applicable agency codes and ordinances. No part of contract documents to be in violation of codes. If discrepancies exist, notify landscape architect and owner.

13. Verify and stake location of utilities prior to construction and is required by governing agencies be held for signature of owner's structural or soils engineer.

14. Coordinate with contractors of attached, adjoining and interfacing work of other trades.

5. Provide for positive drainage. Notify landscape architect if site conditions are otherwise. Maintain drainage flowlines and drainage patterns as indicated on engineer's grading drawings.

15. Coordinate and cooperate with contractors of future, adjoining and interfacing work of other trades.

16. Materials and workmanship, conform to latest Uniform Building Code and applicable agency codes and ordinances. No part of contract documents to be in violation of codes. If discrepancies exist, notify landscape architect and owner.

17. Observation visits to the job site by the landscape architect do not include inspection of construction procedures, bracing, temporary supports, and shoring is the sole responsibility of the contractor.
Know what's below. Call before you dig.
MATCHLINE 'B' SEE SHEET LI-3

MATCHLINE 'B' SEE SHEET LI-3

SEE SHEET LI-6/LI-7 FOR IRRIGATION SCHEDULE/CALCULATIONS
MATCHLINE 'A'
SEE SHEET L1-1

MATCHLINE 'C'
SEE SHEET L1-3

MATCHLINE 'K'
SEE SHEET L1-1

EAST GRANT AVENUE

SCHEDULE/CALCULATIONS

SEE SHEET L1-6/L1-7 FOR IRRIGATION

Know what's below.
Call before you dig.

TRACT 6130 - CANYON CREEK
BY SHEET NO. L1-4

DATE 12/1/2017

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

DESIGN DRAWING

DEPARTMENT OF PUBLIC WORKS
3300 N. LAMAR AVE.
FRESNO, CA 93727

LANDSCAPE IMPROVEMENT PLANS

811 CALL BEFORE YOU DIG

Hope where's
Call before you dig

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

DESIGN DRAWING

DEPARTMENT OF PUBLIC WORKS
3300 N. LAMAR AVE.
FRESNO, CA 93727

LANDSCAPE IMPROVEMENT PLANS

811 CALL BEFORE YOU DIG

Hope where's
Call before you dig
MATCHLINE 'B' SEE SHEET LI-1

MATCHLINE 'C' SEE SHEET LI-2

SEE SHEET LI-6/LI-7 FOR IRRIGATION SCHEDULE/CALCULATIONS

MATCHLINE 'B' SEE SHEET LI-1

CALL BEFORE YOU DIG

DEPARTMENT OF PUBLIC WORKS
CITY OF FRESNO
TRACT 6130 - CANYON CREEK
LANDSCAPE IMPROVEMENT PLANS

MATCHLINE 'C' SEE SHEET LI-2
MATCHLINE 'D'
SEE ABOVE RIGHT

SEE SHEET LI-6/LI-7 FOR IRRIGATION
SCHEDULE/CALCULATIONS

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS
TRACT 6130 - CANYON CREEK
LANDSCAPE IMPROVEMENT PLANS

DATE 12/14/2017
Pressure Req. at Critical Station: 26.85 psi
Loss for Main Line: 0.07 psi
Loss for Main Line: 0.10 psi
Loss for Main Line: 2.42 psi

Pressure Available: 19.17 psi
Residual Pressure Available: 23.35 psi

S-E: 2, S-F: 2, S-G: 2, S-H: 2
B = Bubbler

Critical Station Pressure at POC: 41.45 psi
Critical Station Pressure at POC: 37.86 psi
Critical Station Pressure at POC: 48.45 psi

Static Pressure at POC: 60.00 psi

CURB IN SHRUB PLANTING AREAS. SHOULD THE CONTRACTOR FAIL TO VERIFY THE POC Pressure...

FLOW AVAILABLE
Flow Available: 47.66 gpm
Flow Available: 20.24 gpm
Flow Available: 20.24 gpm

INSTALL NO. 14 POLYETHYLENE COATED COPPER TRACER WIRE WITH ALL NON-METALLIC IRRIGATION PIPE

Point of Connection Size:

WATER PRESSURE NOTE:

CONTRACTOR SHALL VERIFY P.O.C. PRESSURE PRIOR TO COMMENCEMENT OF CONSTRUCTION. NOTIFY LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK.

NOTE B:

IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWINGS IS FOUND TO BE DIFFERENT THAN THE ACTUAL P.O.C., IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL INSTALL ALL ELEVATION LOSSES FOR PIPE AND VALVES AS SHOWN.

NOTE:

THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT AND MATERIAL SHOWN ON THIS DRAWING IS FOR CLARITY ONLY, ACTUAL LOCATION, SIZE AND WATER PRESSURE SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWINGS IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT.

NOTE A:

DO NOT COMBINE WITH TREES AND AS DIRECTED BY OWNER'S LANDSCAPE IMPROVEMENT PLANS.

FLOW AVAILABLE
Flow Available: 47.66 gpm
Flow Available: 20.24 gpm
Flow Available: 20.24 gpm
## ETAF Calculations

<table>
<thead>
<tr>
<th>Hydrozone</th>
<th>Plant Factor</th>
<th>Irrigation Method</th>
<th>Planting Area (sqft.)</th>
<th>ETAF x Area</th>
<th>Total Area</th>
<th>Total ETAF x Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-2</td>
<td>0.09</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C-6</td>
<td></td>
<td>Low</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C-5</td>
<td></td>
<td>Low</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D-3</td>
<td></td>
<td>Low</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D-2</td>
<td></td>
<td>Low</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E-2</td>
<td></td>
<td>Low</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E-1</td>
<td></td>
<td>Low</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F-1</td>
<td>0.4</td>
<td>Mod./Ave.</td>
<td></td>
<td></td>
<td>3,246</td>
<td>291.16</td>
</tr>
<tr>
<td>F-2</td>
<td>0.2</td>
<td>Low</td>
<td></td>
<td></td>
<td>1,298</td>
<td>200.56</td>
</tr>
<tr>
<td>G-1</td>
<td>0.4</td>
<td>Mod./Ave.</td>
<td></td>
<td></td>
<td>1,306</td>
<td>522.4</td>
</tr>
<tr>
<td>G-2</td>
<td>0.2</td>
<td>Low</td>
<td></td>
<td></td>
<td>599</td>
<td>119.8</td>
</tr>
</tbody>
</table>

### Notes:
- ETAF x Area = ETAF x (Planting Area (sqft.))
- Total ETAF x Area = ETAF x Area + ETAF x Area + ... + ETAF x Area
- Annual Eto (inches/yr) = 7
- Method = Drip
- Efficiency = 0.81
- Plant Factor (PF) = 0.4
- ETAF (PF/IE) = 0.49
- Maximum Allowed Water Allowance (MAWA) = 7
- Estimated Total Water Use (ETWU) = 6,609
- Site Information: TRACT 6130 - CANYON CREEK
- DEPARTMENT OF PUBLIC WORKS
- CITY OF FRESNO
- TRACT 6130 - CANYON CREEK LANDSCAPE IMPROVEMENT PROJECT
- PROJ ID: 6130
- DEPARTMENT NO: 215
- PROJECT NO: 0.0000
- PERMIT NO: 0.0000
- DEPT: DR.
- BLDG: 1
- REF: 0.0000
- DATE: 07/27/2015
- This calculator is for estimating purposes only.
- Hunter assumes no liability for use of this calculator.
- Average ETAF meets requirement for this site type.
- ETAF x Area = ETAF x (Planting Area (sqft.))
- Total ETAF x Area = ETAF x Area + ETAF x Area + ... + ETAF x Area
- ETAF meets MAWA requirement.
- Maximum Allowed Water Use (MAWA) meets requirement.
- Average ETAF meets requirement for this site type.
- This calculator is for estimating purposes only.
- Use (gal./yr.) = 122,374
- Total ETAF x Area = ETAF x Area + ETAF x Area + ... + ETAF x Area
- This calculator is for estimating purposes only.
- Average ETAF meets requirement for this site type.
- ETAF meets MAWA requirement.
- Maximum Allowed Water Use (MAWA) meets requirement.
- Average ETAF meets requirement for this site type.
- This calculator is for estimating purposes only.
- Use (gal./yr.) = 109,277
- Total ETAF x Area = ETAF x Area + ETAF x Area + ... + ETAF x Area
- This calculator is for estimating purposes only.
- Average ETAF meets requirement for this site type.
- ETAF meets MAWA requirement.
- Maximum Allowed Water Use (MAWA) meets requirement.
EAST

GRANT

AVENUE

MATCHLINE C'
SEE SHEET
LP-3

MATCHLINE A'
SEE SHEET
LP-1

MATCHLINE B
SEE SHEET
LP-2

10' 20'

MATCHLINE E
SEE SHEET LP-4

SCHEDULE/NOTES

SEE SHEET LP-6 FOR PLANTING

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

TRACT SITE: CANYON CREEK
LANDSCAPE IMPROVEMENT PLANS

DATE 12/02/97
LP-2

MATCHLINE C
SEE SHEET
LP-3

MATCHLINE A
SEE SHEET
LP-1

MATCHLINE B
SEE SHEET
LP-2

LOI JOB#:

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

TRACT SITE: CANYON CREEK
LANDSCAPE IMPROVEMENT PLANS

DATE 12/02/97
LP-2

MATCHLINE C
SEE SHEET
LP-3

MATCHLINE A
SEE SHEET
LP-1

MATCHLINE B
SEE SHEET
LP-2

LOI JOB#:

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

TRACT SITE: CANYON CREEK
LANDSCAPE IMPROVEMENT PLANS

DATE 12/02/97
LP-2

MATCHLINE C
SEE SHEET
LP-3

MATCHLINE A
SEE SHEET
LP-1

MATCHLINE B
SEE SHEET
LP-2

LOI JOB#:

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

TRACT SITE: CANYON CREEK
LANDSCAPE IMPROVEMENT PLANS

DATE 12/02/97
LP-2

MATCHLINE C
SEE SHEET
LP-3

MATCHLINE A
SEE SHEET
LP-1

MATCHLINE B
SEE SHEET
LP-2

LOI JOB#:

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

TRACT SITE: CANYON CREEK
LANDSCAPE IMPROVEMENT PLANS

DATE 12/02/97
LP-2

MATCHLINE C
SEE SHEET
LP-3

MATCHLINE A
SEE SHEET
LP-1

MATCHLINE B
SEE SHEET
LP-2

LOI JOB#:

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

TRACT SITE: CANYON CREEK
LANDSCAPE IMPROVEMENT PLANS

DATE 12/02/97
LP-2

MATCHLINE C
SEE SHEET
LP-3

MATCHLINE A
SEE SHEET
LP-1

MATCHLINE B
SEE SHEET
LP-2

LOI JOB#:

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

TRACT SITE: CANYON CREEK
LANDSCAPE IMPROVEMENT PLANS

DATE 12/02/97
LP-2

MATCHLINE C
SEE SHEET
LP-3

MATCHLINE A
SEE SHEET
LP-1

MATCHLINE B
SEE SHEET
LP-2

LOI JOB#:

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

TRACT SITE: CANYON CREEK
LANDSCAPE IMPROVEMENT PLANS

DATE 12/02/97
LP-2

MATCHLINE C
SEE SHEET
LP-3

MATCHLINE A
SEE SHEET
LP-1

MATCHLINE B
SEE SHEET
LP-2

LOI JOB#:

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

TRACT SITE: CANYON CREEK
LANDSCAPE IMPROVEMENT PLANS

DATE 12/02/97
LP-2

MATCHLINE C
SEE SHEET
LP-3

MATCHLINE A
SEE SHEET
LP-1

MATCHLINE B
SEE SHEET
LP-2

LOI JOB#:

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

TRACT SITE: CANYON CREEK
LANDSCAPE IMPROVEMENT PLANS

DATE 12/02/97
LP-2

MATCHLINE C
SEE SHEET
LP-3

MATCHLINE A
SEE SHEET
LP-1

MATCHLINE B
SEE SHEET
LP-2

LOI JOB#:

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

TRACT SITE: CANYON CREEK
LANDSCAPE IMPROVEMENT PLANS

DATE 12/02/97
LP-2

MATCHLINE C
SEE SHEET
LP-3

MATCHLINE A
SEE SHEET
LP-1

MATCHLINE B
SEE SHEET
LP-2

LOI JOB#:

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

TRACT SITE: CANYON CREEK
LANDSCAPE IMPROVEMENT PLANS

DATE 12/02/97
LP-2

MATCHLINE C
SEE SHEET
LP-3

MATCHLINE A
SEE SHEET
LP-1

MATCHLINE B
SEE SHEET
LP-2

LOI JOB#:

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

TRACT SITE: CANYON CREEK
LANDSCAPE IMPROVEMENT PLANS

DATE 12/02/97
LP-2

MATCHLINE C
SEE SHEET
LP-3

MATCHLINE A
SEE SHEET
LP-1

MATCHLINE B
SEE SHEET
LP-2

LOI JOB#:
SEE SHEET LP-6 FOR PLANTING SCHEDULE/NOTES
MATCHLINE 'D'
SEE ABOVE RIGHT

MATCHLINE 'D'
SEE BELOW LEFT

SEE SHEET LP-6 FOR PLANTING
SCHEDULE/NOTES

CITY OF FRESNO
DEPARTMENT OF PUBLIC WORKS

TRACT NO.: CANYON CREEK
LANDSCAPE IMPROVEMENT PLAN

SCALE 1:500

MATCHLINE 'D'
SEE ABOVE RIGHT

MATCHLINE 'D'
SEE BELOW LEFT

SEE SHEET LP-6 FOR PLANTING
SCHEDULE/NOTES
PLANT SCHEDULE

<table>
<thead>
<tr>
<th>PLANT</th>
<th>BOTANICAL NAME</th>
<th>ORDER QTY</th>
<th>TYPE</th>
<th>SOIL</th>
<th>DECIDUOUS</th>
<th>PLANTING NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>TREES</td>
<td>LUPINCARIA ROCCA, LUMBERJACK</td>
<td>2 GAL</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
<td>DECIDUOUS</td>
</tr>
<tr>
<td></td>
<td>LUGERLACROIX ROCCA, LUMBERJACK</td>
<td>2 GAL</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
<td>DECIDUOUS</td>
</tr>
<tr>
<td></td>
<td>PSEUDACIS NEEDLE POINT</td>
<td>1 GAL</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
<td>DECIDUOUS</td>
</tr>
<tr>
<td></td>
<td>PLATANUS X ACERIFOLIA</td>
<td>24</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
<td>DECIDUOUS</td>
</tr>
<tr>
<td></td>
<td>PIGEON</td>
<td>24</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
<td>DECIDUOUS</td>
</tr>
<tr>
<td></td>
<td>PITTOSPORUM TOBIRA WHEELER'S DWARF</td>
<td>1 GAL</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
<td>DECIDUOUS</td>
</tr>
<tr>
<td></td>
<td>PRIVET</td>
<td>36</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
<td>DECIDUOUS</td>
</tr>
<tr>
<td></td>
<td>RHAPHIOLEPIS INDICA</td>
<td>36</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
<td>DECIDUOUS</td>
</tr>
<tr>
<td></td>
<td>RHAPLOLEPIS INDICA JACK EVANS</td>
<td>36</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
<td>DECIDUOUS</td>
</tr>
<tr>
<td></td>
<td>ROSE X NOASCHNEE FLOWER CARPET WHITE GROUNDCOVER ROSE</td>
<td>1 GAL</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
<td>DECIDUOUS</td>
</tr>
<tr>
<td></td>
<td>ROSE X NOARIF</td>
<td>1 GAL</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
<td>DECIDUOUS</td>
</tr>
<tr>
<td></td>
<td>ROSE CANEY</td>
<td>5 GAL</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
<td>DECIDUOUS</td>
</tr>
<tr>
<td></td>
<td>SHRUBS</td>
<td>MUHLENBERGIA CAPILLARIS REGAL MIST TM</td>
<td>1 GAL</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
</tr>
<tr>
<td></td>
<td>MYOPORUM PARVIFOLIUM PROSTRATUM</td>
<td>5 GAL</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
<td>DECIDUOUS</td>
</tr>
<tr>
<td></td>
<td>STAR JASMINE</td>
<td>36</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
<td>DECIDUOUS</td>
</tr>
<tr>
<td></td>
<td>TRACHELOSPERMUM ASIATICUM</td>
<td>1 GAL</td>
<td>MODERATE</td>
<td>LOAM</td>
<td>LOW</td>
<td>DECIDUOUS</td>
</tr>
</tbody>
</table>

PLANT SCHEDULE

1. REFER TO PLANTING PLANS, PLANT KITS, PLANT LEGENDS AND PLANTING DETAILS FOR ADDITIONAL PLANTING INFORMATION. REFER TO IRRIGATION PLANS, NOTES AND DETAILS FOR ADDITIONAL IRRIGATION INFORMATION.
2. NOTIFY OWNERS OF PRECEDENCE UP TO 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT SCHEDULE.
3. NOTIFY ALL CONSTRUCTION, DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING TO ENSURE ALIGNED AND LEVEL CONSTRUCTION.
4. LIGATE ALL PLANTS WITH EFFECTIVE LIGHTING SHOWN ON SCHEDULE OR NOT PROTECT PLANTS FROM LIGHTING DAMAGE.
5. LOCATE AND MARK ALL EXISTING UTILITIES SHOWN ON PLANS OR NOT. PROTECT PLANTS FROM LIGHTING DAMAGE.
6. PREPARE PLANTING BEDS PER SOIL TEST REPORT'S RECOMMENDATIONS, ADDING SOIL AMENDMENTS, FERTILIZER, AND OTHER MATERIAL AS SPECIFIED TO SITE TOP SOIL.
7. PRE-PLANTING PREPARATION: A. PREPARE WITH PLANTING WORK ONLY AFTER IRRIGATION WORK IS COMPLETED, TESTED, AND APPROVED BY OWNER'S REP. B. ROOT BARRIER: 4" DIA. X 30" H. PLASTIC TRUNK PROTECTOR, "ARBOR MATE" BY DEEP ROOT PARTNERS, 800-458-7668 OR APPROVED EQUAL. C. ROOT GUARD OR TREE GUARD: "GUARDIAN" BY DEEP ROOT PARTNERS, 800-458-7668 OR APPROVED EQUAL. D. ROOT BARRIER: UB-24"X1" DEEP ROOT GUARD "MULCH" BY DEEP ROOT PARTNERS, 800-458-7668 OR APPROVED EQUAL. E. MULCH: 3" LAYER CONIFEROUS BARK MULCH IN ALL PLANTER AREAS. SUBMIT SAMPLE TO OWNER'S REP. FOR APPROVAL. G. INSTALL 3" DEEP CONIFEROUS BARK MULCH IN SHRUB BEDS.

SOIL AMENDMENTS

SOIL PREPAREDNESS PER 1,000 S.F. 
3 CU. YDS. NITROLIZED WOOD SHAVINGS OR EQUAL
15 LBS. 15-15-15
4.1 CU. YDS. GRABBER AMENDMENTS OR EQUALLY FOR 15 GALLON OR LARGER SIZE TREES, TWO 10-GRAM TABLETS FOR 5 GALLON SIZE PLANTS, ONE 10-GRAM TABLET FOR 1 GALLON SIZE. 378 D. ROOT BARRIER: UB-24"X1" DEEP ROOT GUARD "MULCH" BY DEEP ROOT PARTNERS, 800-458-7668 OR APPROVED EQUAL. E. MULCH: 3" LAYER CONIFEROUS BARK MULCH IN ALL PLANTER AREAS. SUBMIT SAMPLE TO OWNER'S REP. FOR APPROVAL. G. INSTALL 3" DEEP CONIFEROUS BARK MULCH IN SHRUB BEDS.

PLANTING NOTES

PLANTING NOTES

1. REFER TO PLANTING PLANS, PLANT KITS, PLANT LEGENDS AND PLANTING DETAILS FOR ADDITIONAL PLANTING INFORMATION. REFER TO IRRIGATION PLANS, NOTES AND DETAILS FOR ADDITIONAL IRRIGATION INFORMATION.
2. NOTIFY OWNERS OF PRECEDENCE UP TO 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT SCHEDULE.
3. NOTIFY ALL CONSTRUCTION, DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING TO ENSURE ALIGNED AND LEVEL CONSTRUCTION.
4. LIGATE ALL PLANTS WITH EFFECTIVE LIGHTING SHOWN ON SCHEDULE OR NOT PROTECT PLANTS FROM LIGHTING DAMAGE.
5. LOCATE AND MARK ALL EXISTING UTILITIES SHOWN ON PLANS OR NOT. PROTECT PLANTS FROM LIGHTING DAMAGE.
6. PREPARE PLANTING BEDS PER SOIL TEST REPORT'S RECOMMENDATIONS, ADDING SOIL AMENDMENTS, FERTILIZER, AND OTHER MATERIAL AS SPECIFIED TO SITE TOP SOIL.
7. PRE-PLANTING PREPARATION: A. PREPARE WITH PLANTING WORK ONLY AFTER IRRIGATION WORK IS COMPLETED, TESTED, AND APPROVED BY OWNER'S REP. B. ROOT BARRIER: 4" DIA. X 30" H. PLASTIC TRUNK PROTECTOR, "ARBOR MATE" BY DEEP ROOT PARTNERS, 800-458-7668 OR APPROVED EQUAL. C. ROOT GUARD OR TREE GUARD: "GUARDIAN" BY DEEP ROOT PARTNERS, 800-458-7668 OR APPROVED EQUAL. D. ROOT BARRIER: UB-24"X1" DEEP ROOT GUARD "MULCH" BY DEEP ROOT PARTNERS, 800-458-7668 OR APPROVED EQUAL. E. MULCH: 3" LAYER CONIFEROUS BARK MULCH IN ALL PLANTER AREAS. SUBMIT SAMPLE TO OWNER'S REP. FOR APPROVAL. G. INSTALL 3" DEEP CONIFEROUS BARK MULCH IN SHRUB BEDS.

SOIL AMENDMENTS

SOIL PREPAREDNESS PER 1,000 S.F. 
3 CU. YDS. NITROLIZED WOOD SHAVINGS OR EQUAL
15 LBS. 15-15-15
4.1 CU. YDS. GRABBER AMENDMENTS OR EQUALLY FOR 15 GALLON OR LARGER SIZE TREES, TWO 10-GRAM TABLETS FOR 5 GALLON SIZE PLANTS, ONE 10-GRAM TABLET FOR 1 GALLON SIZE. 378 D. ROOT BARRIER: UB-24"X1" DEEP ROOT GUARD "MULCH" BY DEEP ROOT PARTNERS, 800-458-7668 OR APPROVED EQUAL. E. MULCH: 3" LAYER CONIFEROUS BARK MULCH IN ALL PLANTER AREAS. SUBMIT SAMPLE TO OWNER'S REP. FOR APPROVAL. G. INSTALL 3" DEEP CONIFEROUS BARK MULCH IN SHRUB BEDS.
PLAN VIEW - N.T.S.

- 4-INCH GRATE (INCLUDED) -------- ~

- ROOT WATERING SYSTEM

- RAIN BIRD RWS-BCG

- ROOT BALL OF TREE

- BUBBLER HEADS PER LEGEND AND AS SHOWN ABOVE INDICATED BELOW:
  - 2 BUBBLERS MIN. PER TREE
  - 3 BUBBLERS PER 24" & 36" BOX TREE
  - 4 BUBBLERS PER 48" BOX AND LARGER TREE

- PVC LATERAL UNE PIPE

SEE SPECIFICATIONS FOR TYPE AND DEPTH REQUIREMENTS

+ INCLUDES 0.25 GPM BUBBLER WITH RISER, CHECK VALVE, GRATE, 1/2" MALE NPT INLET, AND BASKET CANISTER)

- FINISH GRADE BUBBLER. RAIN BIRD 0.25 GPM (INCLUDED)

- 12-INCH SWING ASSEMBLY (INCLUDED)

SECTION VIEW - N.T.S

- DEEP WELL BUBBLER

- DETAIL ALSO FOR PIPE INSTALLED IN ROCK SOIL.

- DIMENSION A  B  C  D
  - 112" TO 4" IN SIZE
  - 36" 24" 24" 4" 4"
  - 3" TO 6" IN SIZE
  - 24" X 4"

- INSTALLATION

- CLEAN COMPACTED BACKFILL

- LATERAL LINES, SEE SPECS

- CONTROL WIRES, SEE SPECS.

- MAINTAIN 6" MIN. BETWEEN MAINLINE AND WIRE BUNDLE.

- UNDISTURBED SOIL PRESSURE MAINLINE, SEE SPECIFICATIONS

- UNDISTURBED SOIL

- PVC SLEEVES TO BE TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE CARRIED.

- DETAIL FOR PIPE INSTALLED IN ROCK SOIL.

- FINISHED GRADE IN TURF AREAS

- 6' PLASTIC ROUND VALVE BOX WITH PLASTIC COVER, HEAT BRAND "FV" ON TOP.

- Netafim model TL050MFV-1 Automatic Flush Valve, 1/2" MPT

- FINISHED GRADE IN SHRUB AREAS

- DRIP TUBING, SEE LEGEND

- FOR SPECIFICATION PROVIDE SUFFICIENT TUBING TO REMOVE FLUSH CAP FROM BOX

- LANDSCAPE FABRIC

- 3/4" ROCK, 1 CUBIC FT

- AMETEX ROUND 5" SUPERFLEXON ADJUSTABLE VALVE BOX OR EQUAL

- FINISH GRADE

- JOB

- PW

- NO

- PROJ.

- NO

- ORG

- NO

- CITY OF FRESNO

- DEPARTMENT OF PUBLIC WORKS

- REF.

- REV.

- TRACT 6130 - CANYON CREEK

- LANDSCAPE IMPROVEMENT PLANS

- CONST ENG

- CITY ENG

- DR.

- BY: C. IRF.

- CH BY: F./M.M

- DATE

- SCALE:

- 12.4 2017

- N.A

- PROOFED

- OF

- SHEETS
NOTE: ON SLOPE, PLANT ROOTBALL OFF-CENTER OF PIT (AWAY FROM 2 TO 1 MAX. SLOPE UPSLOPE). ON LEVEL, PLANT ROOTBALL OR AS RECOMMENDED IN CENTER OF PIT BY THE GEOLOGIST.

SLOPES TO BE JANCED.

ROOT BARRIERS ARE REQUIRED ON ALL TREES WITHIN A DISTANCE OF FIVE (5) FEET FROM THE CENTER OF TREE TRUNK TO ANY HARDSCAPE SURFACE OR STRUCTURE.

ROOT CONTROL

CONCRETE SURFACE BARRIER 1" ABOVE FINISHED GRADE CONCRETE CURB PAVING

NOTE: ALL SHRUBS AND GROUNDCOVER TO BE PLANTED AT EQUAL TRIANGULAR SPACING UNLESS OTHERWISE INDICATED ON PLANS. PLANT A MINIMUM OF 2' FROM SIDEWALKS, CURBS OR DRAINAGE SWALES.

GROUND COVER PLANTING

IND

VARI EIGHT 8' MAX. DEPTH OF ROOTBALL

STAKE

NOTE: CUT OFF TOP SECTION OF STAKE TO HEIGHT OF MAIN BRANCHES.

TREE TIES OR APPROVED EQUAL. FOUR (4) PER TREE, NAILED TO STAKE. NO WIRE TO BE USED AROUND TREE TRUNK. FIRST TIE TO BE PLACED 6" ABOVE POINT WHERE TREE HEAD IS SELF SUPPORTED.

2" THICK MULCH ON ALL PLANTER AREAS, PREVENT MULCH FROM TOUCHING TRUNKS OF SHRUBS, TAPER MULCH DEPTH OVER ROOTBALL FROM 1" TO 2" OUTSIDE OF ROOTBALL. BERM 3" HIGH.

COMPACT ALL LOOSE SOIL FINISH GRADE

BACKFILL MIX WHERE APPLICABLE (NOT REQUIRED FOR NATIVE PLANT MATERIAL, SEE SOIL SPECIFICATIONS)
Irrigation Specifications:

1. Record Drawings:
   - The Contractor shall make neat and legible annotations thereon daily as the work progresses. Two keys shall be furnished for each set, one to be furnished by the Contractor and the other by the Landscape Architect. The Contractor shall notify the Landscape Architect within ten calendar days prior to completion of the irrigation system, or approval thereof, of any unauthorized alterations. The final hook-up of the automatic controller location shall be furnished by others. The chart shall show the area controlled by each automatic controller and shall be such as to enable any inspector to ascertain the location of any controller. Routing of control and common control wires shall be the same as for solvent-weld pressure main line piping. Control wires shall be laid loosely in trench without stress or stretching of wires.

2. Equipment to be Furnished:
   - Pipe shall be made from NSF approved Type 1, Grade 1, PVC compound conforming to ASTM D1785. All pipe must meet requirements as set forth in Federal Industries 1419-126 with green bolt down style to ASTM resin specification D1785. All pipe must meet requirements as set forth in Federal Industries 1419-126 with green bolt down style to ASTM resin specification D1785.

3. Pressure main line piping for sizes 2-inch and smaller shall be PVC Schedule 40 materials, workmanship, or construction of a better quality, higher standard, or larger standard dimension ratio. Check existing utilities drawings or call utilities companies for existing utility locations.

4. The Contractor shall not willfully install the irrigation system as shown on the charts or as prepared. Where discrepancies in area dimensions exist that might not have been considered in the plans, the site conditions, the Contractor shall report the same to the Landscape Architect.

5. The Contractor shall carefully dimension all pipe for correct pressure main line size. Any section of pipe that has been subjected to undue bending or concentrated external load at any point. Any section of pipe that has been subjected to undue bending or concentrated external load at any point shall be replaced with a new pipe of the same diameter to maintain a pressure main line of proper size.

6. The Contractor shall not perform any work under this section.

7. Routing of pressure main line pipe fittings, sleeves, etc., which may be required. The Contractor shall carefully dimension all pipe for correct pressure main line size. Any section of pipe that has been subjected to undue bending or concentrated external load at any point shall be replaced with a new pipe of the same diameter to maintain a pressure main line of proper size.

8. Quick Coupling Valves:
   - Quick coupling valves shall be used to indicate the area of coverage described in the guarantee for sprinkler irrigation system. Such warranties shall only supplement the guarantee under the guarantee. Such warranties shall only supplement the guarantee.

9. All splices shall be made with Rainbird ST-03UL Snap-Tite wire connector with PT/S5 corrected and completed by the Contractor. Following information:
   - 1. Record drawings shall be approved by the Landscape Architect before controller location shall be furnished by others. The chart shall show the area controlled by each automatic controller and shall be such as to enable any inspector to ascertain the location of any controller. Routing of control and common control wires shall be the same as for solvent-weld pressure main line piping. Control wires shall be laid loosely in trench without stress or stretching of wires.

10. All splices shall be made with Rainbird ST-03UL Snap-Tite wire connector with PT/S5 corrected and completed by the Contractor. Following information:
   - 1. Record drawings shall be approved by the Landscape Architect before controller location shall be furnished by others. The chart shall show the area controlled by each automatic controller and shall be such as to enable any inspector to ascertain the location of any controller. Routing of control and common control wires shall be the same as for solvent-weld pressure main line piping. Control wires shall be laid loosely in trench without stress or stretching of wires.

11. All splices shall be made with Rainbird ST-03UL Snap-Tite wire connector with PT/S5 corrected and completed by the Contractor. Following information:
   - 1. Record drawings shall be approved by the Landscape Architect before controller location shall be furnished by others. The chart shall show the area controlled by each automatic controller and shall be such as to enable any inspector to ascertain the location of any controller. Routing of control and common control wires shall be the same as for solvent-weld pressure main line piping. Control wires shall be laid loosely in trench without stress or stretching of wires.
3.2 Preparation

3.3 Installation: adapters into which the pipe may be welded.

3.4 Water Supply: the Owner has received all accessories, charts, record drawings and

3.5 Electrical Supply: the side of the trench adjacent to the tree shall be kept

3.6 Physical Layout: planted.

3.7 A. Routing of sprinkler irrigation lines as indicated on the drawings is recommended. This test shall be accomplished before any groundcover is done and replaced by the Contractor shall furnish force pump & all other test equipment necessary.

3.8. PVC pipe and fittings shall be thoroughly cleaned of dirt, dust, and moisture shaded with burlap or canvas. 3.9...shall be made to electrical points of

3.10 Field Quality Control: A. The trenches shall not be backfilled until it has been determined that the concrete paving. 2. Sprinkler heads shall be installed only after flushing of the system has been accomplished to the complete satisfaction of the Landscape Architect.

3.11 Observation Schedule: A. The Contractor shall flush and adjust all sprinkler heads for optimum

3.12 G. Line Clearance: All lines shall have a minimum clearance of 6 inches from each

3.13 C. Trenching and Backfill Under Paving: J. Sprinkler Heads: 2. The trenches shall not be backfilled...to paving. 2. Sprinkler heads shall be installed only after flushing of the system has been accomplished to the complete satisfaction of the Landscape Architect.

3.14 H. Remote Control Valves: Install where shown on the drawings and per detail. 1. The trenches shall not be backfilled until it has been determined that the concrete paving. 2. Sprinkler heads shall be installed only after flushing of the system has been accomplished to the complete satisfaction of the Landscape Architect.

3.15 Observation to begin maintenance period - 7 days. B. Backfilling: B. Testing of Irrigation System:

3.16 No hydraulic driving will be permitted under new concrete paving.

3.17 Final Observations: Penny in Foundation: 2. The Contractor shall furnish force pump & all other test equipment necessary. 3. Sprinkler heads shall be installed only after flushing of the system has been accomplished to the complete satisfaction of the Landscape Architect.

3.18 When observation has been made by the owner from the landscape architect in the presence of the owner or his representative, the work shall be determined to be finished. 7. When observation has been made by the owner from the landscape architect in the presence of the owner or his representative, the work shall be determined to be finished.

3.19 Other: This contract includes work to be done under the work shall be determined to be finished.
1. Interpreted Plans and Specifications:
   A. The Landscape Architect will interpret the meaning of any part of the plans and specifications.
   B. License requirements: The Contractor shall carry necessary Contractor’s California usage of the surrounding areas ... made at a minimum rate of: PART 3 - EXECUTION State License or Certificate for type of work listed, such as the Landscape
   C. Weight specifications of this material from the suppliers and for all applications, shall

2. Changes: The Owner shall have the right to make minor changes in the
   A. Maintenance period shall not begin until entire installation is accepted by the Owner.
   B. Maintenance period shall not begin until entire installation is accepted by the Owner.
   C. Maintenance period shall not begin until entire installation is accepted by the Owner.

3. Weed removal: Weeds, plus bermuda grass, etc., shall be dug out from all planting areas by
   A. Container-grown plants to be planted in plant pits two (2) times wider than plant container
   B. Pruning of plants will not be tolerated. insurance coverage prior to initiating work. C. Owner’s materials: ... planting pits. 4.10 Plant material may be rejected at any time by the Landscape Architect due to condition, form

4. Contractor shall perform all fertilizing in the presence of the construction manager or Landscape Architect.

5. Crown of plant shall be slightly higher, after settling, than adjacent soil. landscape design and installation to insure practicality of design and for aesthetic

6. All plants shall be guaranteed for the following durations beginning at the
   A. Maintenance period shall not begin until entire installation is accepted by the Owner.

7. End of the project shall be considered as job completion for the purposes of the final invoice.

8. Certain responsibilities and insurance requirements in the lease agreement and project terms should be reviewed by the Owner prior to the issuance of an insurance

9. Local code requirements and insurance requirements in the lease agreement and project terms should be reviewed by the Owner prior to the issuance of an insurance

10. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

11. Contractor is responsible for maintaining all areas in a weed and debris free condition

12. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

13. Contractor is responsible for maintaining all areas in a weed and debris free condition

14. Plant covers shall be used to protect plants, soil, sand, and sand free from damage during the installation period. 5.14 Plant covers shall be used to protect plants, soil, sand, and sand free from damage during the installation period.

15. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

16. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

17. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

18. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

19. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

20. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

21. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

22. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

23. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

24. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

25. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

26. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

27. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

28. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

29. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

30. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

31. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

32. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

33. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

34. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

35. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

36. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

37. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

38. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

39. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

40. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

41. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

42. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

43. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

44. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

45. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

46. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

47. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

48. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

49. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

50. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

51. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

52. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

53. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

54. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

55. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

56. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

57. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

58. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

59. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

60. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

61. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

62. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

63. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

64. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

65. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

66. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

67. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

68. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

69. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

70. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

71. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

72. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

73. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

74. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

75. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

76. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

77. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

78. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

79. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

80. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

81. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

82. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

83. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

84. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

85. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

86. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

87. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

88. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

89. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

90. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

91. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.

92. No exception shall be made to any bids or change orders without written approval from the Architect and the Owner.