

LEGEND:

PLANT ABBREVIATION (SEE PLANT LIST QUANTITY

SHEET LA202 FOR PLANT DESCRIPTIONS)

STREAMBED PLANTINGS (GRASSES @ 12" O.C. REF PLANT LIST ON SHEET LA202) **LOWER RIPARIAN ZONE**



(SHRUBS / FORBS / SEEDED GRASSES @ 12"-18" O.C. REF PLANT LIST ON SHEET **UPPER RIPARIAN ZONE** (SHRUBS / FORBS / SEEDED GRASSES @



TRAIL ZONE - SOLID SOD TURFGRASS (ST AUGUSTINE

REF PLANT LIST ON SHEET LA202)

24"-36" O.C. REF PLANT LIST ON SHEET



EXISTING TREE

LIMITS OF CONSTRUCTION (L.O.C.)

2' X 2' X 5' LIMESTONE BOULDER

NOTES:

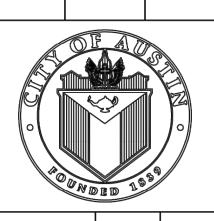
- 1. ALL PLANT MATERIAL LOCATIONS SHALL BE STAKED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE
- LANDSCAPE ARCHITECT OR OWNER PRIOR TO INSTALLATION. 2. FINE GRADING SHALL BE PERFORMED IN ALL AREAS TO BE SEEDED. FINE GRADING SHALL INCLUDE THE REMOVAL OF DEBRIS, ROCKS, ETC. FROM THE SITE AND ENSURE POSITIVE DRAINAGE IN ALL AREAS TO BE SEEDED.
- 3. THE CONTRACTOR SHALL VERIFY ALL BUILDING SETBACK LINES, EASEMENT LINES, AND VISIBILITY LINES IN THE FIELD PRIOR TO CONSTRUCTION.
- 4. THE CONTRACTOR SHALL VERIFY LOCATIONS OF AND PROTECT ALL UTILITIES IN THE FIELD PRIOR TO COMMENCEMENT OF
- 5. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL SITE FEATURES. 6. GRASSING QUANTITIES ARE APPROXIMATE AND CONTRACTOR
- IS RESPONSIBLE FOR ALL AREAS DESIGNATED ON PLANS, INCLUDING ALL DISTURBED AREAS DUE TO CONSTRUCTION.
- 7. SEE SPECIFICATIONS FOR SEEDING DATES.
- 8. SEE SHEET LA202 FOR PLANT LIST.
- 9. TEMPORARY IRRIGATION SYSTEM SHALL BE PROVIDED FOR ALL NEWLY PLANTED AND RESTORED AREAS.
- 10. CONTRACTOR SHALL PROVIDE A FULL IRRIGATION DESIGN FOR TEMPORARY IRRIGATION BY A LICENSED IRRIGATOR BY THE TCEQ. THE SIGNED AND SEALED IRRIGATION PLAN SHALL BE REVIEWED AND APPROVED BY THE CITY.

PLANT LIST:

| I LANI LIST. | |
|--------------------|----------------|
| PLANT ABBREVIATION | COMMON NAME |
| TREES | |
| AE | AMERICAN ELM |
| BP | BALD CYPRESS |
| СО | CHINKAPIN OAK |
| DW | DESERT WILLON |
| ER | EASTERN REDBUD |
| LO | LIVE OAK |
| MO | MOTERREY OAK |
| PC | PECAN |
| SM | SYCAMORE |
| YH | YAUPON HOLLY |

| 0_ | 10' | 20' | | <u>4</u> 0 |
|----|------|------|------|------------|
| | SCAL | E IN | FEET | |

| PARTMENT | | |
|--------------------------|---|--|
| CES DIVISION | | |
| REEK TRAIL OLTORF ST. | | |
| PLAN | _ | |



| NOTES | NAME | DATE |
|-------------|------|---------|
| SURVEY BY | MKC | 12/2017 |
| DRAWN BY | YC | 1/2022 |
| DESIGNED BY | MLM | 1/2022 |
| CHECKED BY | JHH | 1/2022 |
| REVIEWED BY | | |

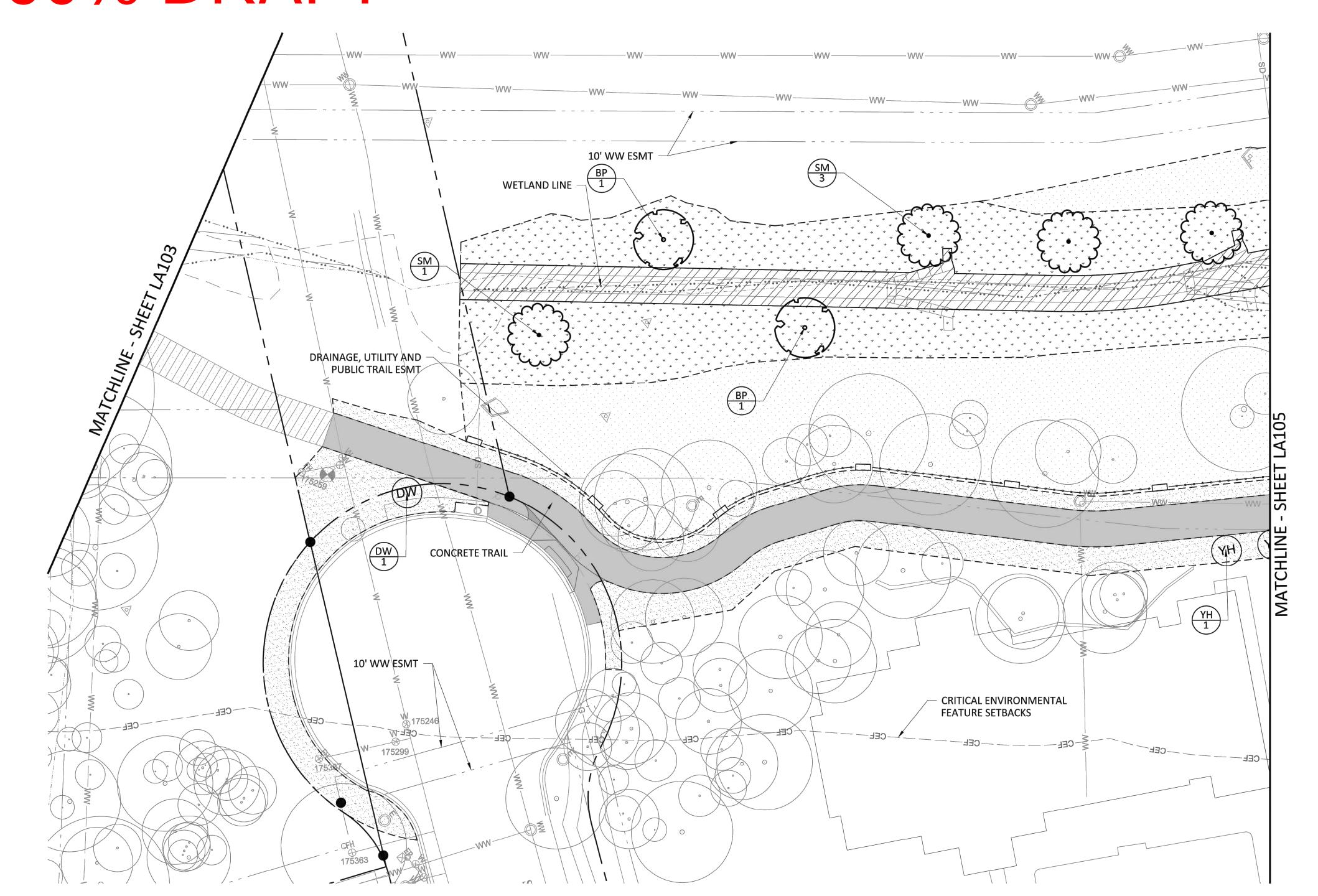


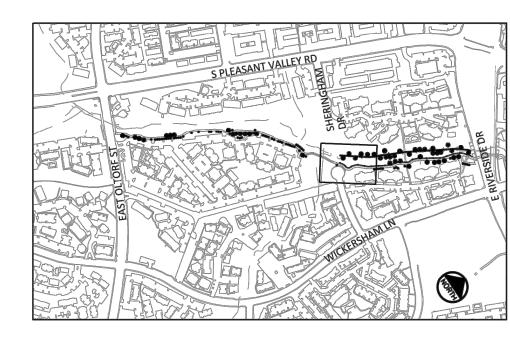
GP-2020-___.PWD

Web - www.freese.com

93 of 109







LEGEND:

PLANT ABBREVIATION (SEE PLANT LIST SHEET LA202 FOR PLANT DESCRIPTIONS)

QUANTITY

STREAMBED PLANTINGS
(GRASSES @ 12" O.C.
REF PLANT LIST ON SHEET LA202)

LOWER RIPARIAN ZONE
(SHRUBS / FORBS / SEEDED GRASSES @
12"-18" O.C. REF PLANT LIST ON SHEET
LA202)

UPPER RIPARIAN ZONE
(SHRUBS / FORBS / SEEDED GRASSES @
24"-36" O.C. REF PLANT LIST ON SHEET
LA202)

TRAIL ZONE - SOLID SOD TURFGRASS (ST AUGUSTINE
REF PLANT LIST ON SHEET LA202)

EXISTING TREE

— — — LIMITS OF CONSTRUCTION (L.O.C.)

2' X 2' X 5' LIMESTONE BOULDER

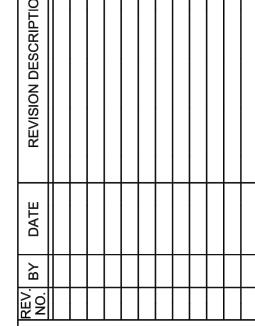
NOTES:

- ALL PLANT MATERIAL LOCATIONS SHALL BE STAKED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE
- LANDSCAPE ARCHITECT OR OWNER PRIOR TO INSTALLATION.

 2. FINE GRADING SHALL BE PERFORMED IN ALL AREAS TO BE SEEDED. FINE GRADING SHALL INCLUDE THE REMOVAL OF DEBRIS, ROCKS, ETC. FROM THE SITE AND ENSURE POSITIVE DRAINAGE IN ALL AREAS TO BE SEEDED.
- THE CONTRACTOR SHALL VERIFY ALL BUILDING SETBACK LINES, EASEMENT LINES, AND VISIBILITY LINES IN THE FIELD PRIOR TO CONSTRUCTION.
- 4. THE CONTRACTOR SHALL VERIFY LOCATIONS OF AND PROTECT ALL UTILITIES IN THE FIELD PRIOR TO COMMENCEMENT OF WORK
- 5. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL SITE FEATURES.
- 6. GRASSING QUANTITIES ARE APPROXIMATE AND CONTRACTOR IS RESPONSIBLE FOR ALL AREAS DESIGNATED ON PLANS, INCLUDING ALL DISTURBED AREAS DUE TO CONSTRUCTION.
- 7. SEE SPECIFICATIONS FOR SEEDING DATES.
- 8. SEE SHEET LA202 FOR PLANT LIST.
- 9. TEMPORARY IRRIGATION SYSTEM SHALL BE PROVIDED FOR ALL NEWLY PLANTED AND RESTORED AREAS.
- 10. CONTRACTOR SHALL PROVIDE A FULL IRRIGATION DESIGN FOR TEMPORARY IRRIGATION BY A LICENSED IRRIGATOR BY THE TCEQ. THE SIGNED AND SEALED IRRIGATION PLAN SHALL BE REVIEWED AND APPROVED BY THE CITY.

PLANT LIST:

| COMMON NAME |
|----------------|
| |
| AMERICAN ELM |
| BALD CYPRESS |
| CHINKAPIN OAK |
| DESERT WILLON |
| EASTERN REDBUD |
| LIVE OAK |
| MOTERREY OAK |
| PECAN |
| SYCAMORE |
| YAUPON HOLLY |
| |



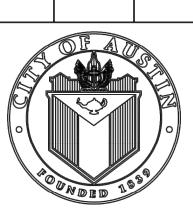
HIS DOCUMENT IS RELEASED FOR THE JRPOSE OF INTERIM REVIEW UNDER THE UTHORITY OF: MATTHEW I. MILANO EXAS NO: 3028 ON DATE: 1/6/2022 IS NOT TO BE USED FOR CONSTRUCTION, DDING OR PERMIT PURPOSES.

THIS DOCUMEI
PURPOSE OF IN
AUTHORITY OF
TEXAS NO: 302
IT IS NOT TO BE
BIDDING OR PE

RY CLUB CREEK TRAIL

DR. TO E. OLTORF ST

ANDSCAPE PLAN



| | | | J٠ |
|-------------|------|---------|----|
| NOTES | NAME | DATE | |
| SURVEY BY | MKC | 12/2017 | |
| DRAWN BY | YC | 1/2022 | |
| DESIGNED BY | MLM | 1/2022 | |
| CHECKED BY | JHH | 1/2022 | |
| REVIEWED BY | | | |
| | | | |



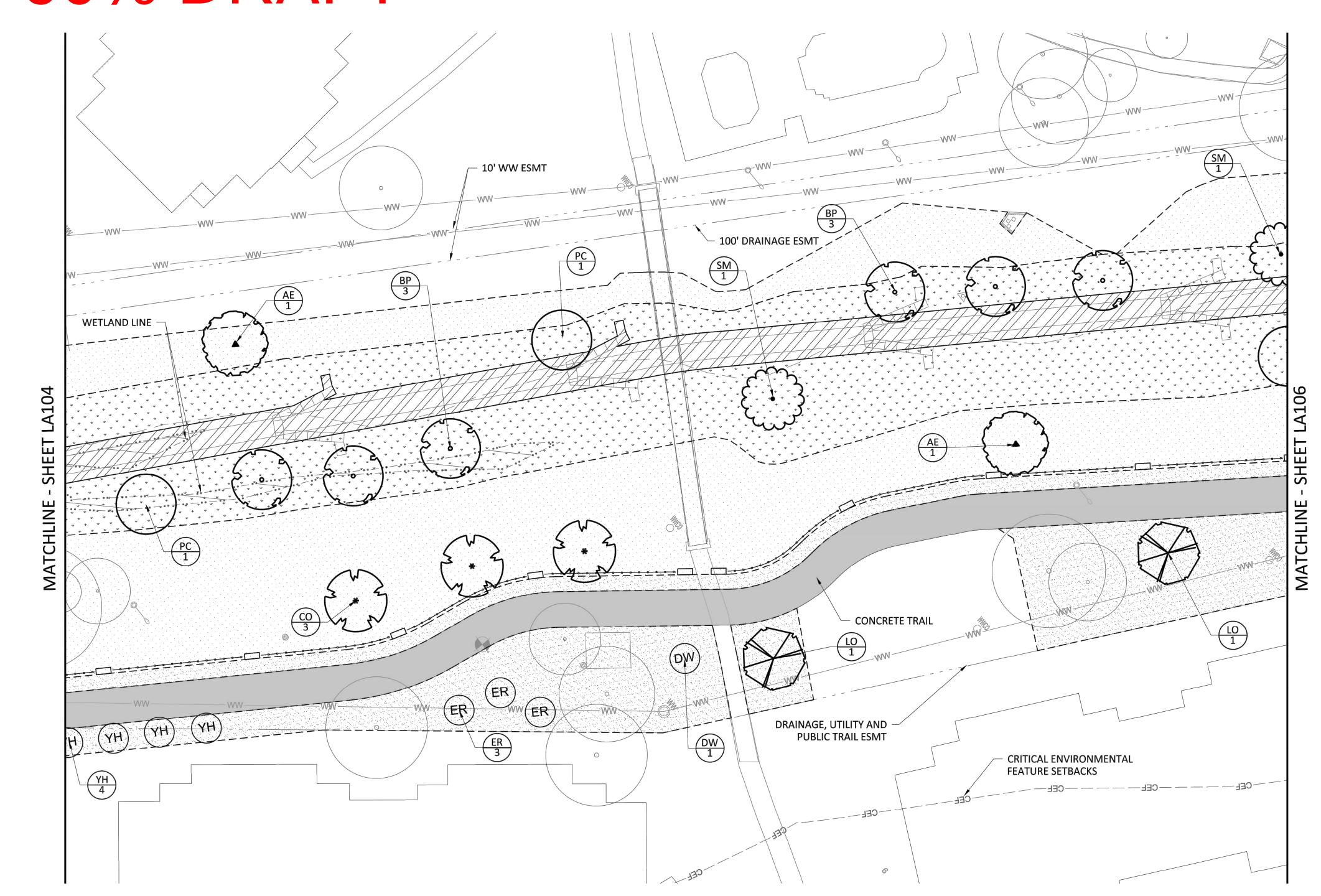
GP-2020-___.PWD

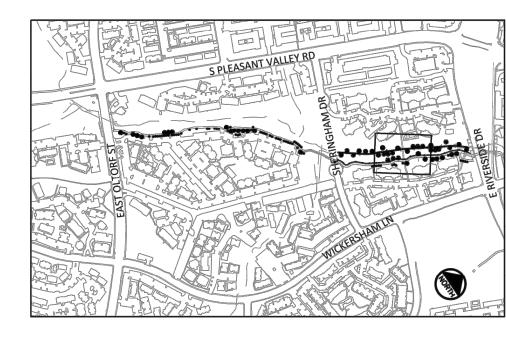
Phone - (512) 617-3100 Web - www.freese.com

LA104 94 of 109

O 10' 20' 40 SCALE IN FEET







LEGEND:

PLANT ABBREVIATION (SEE PLANT LIST SHEET LA202 FOR PLANT DESCRIPTIONS)

(GRASSES @ 12" O.C. REF PLANT LIST ON SHEET LA202) **LOWER RIPARIAN ZONE**

(SHRUBS / FORBS / SEEDED GRASSES @ 12"-18" O.C. REF PLANT LIST ON SHEET

STREAMBED PLANTINGS

UPPER RIPARIAN ZONE (SHRUBS / FORBS / SEEDED GRASSES @ 24"-36" O.C. REF PLANT LIST ON SHEET LA202)

TRAIL ZONE - SOLID SOD TURFGRASS (ST AUGUSTINE REF PLANT LIST ON SHEET LA202)

LIMITS OF CONSTRUCTION (L.O.C.)

EXISTING TREE

2' X 2' X 5' LIMESTONE BOULDER

NOTES:

- 1. ALL PLANT MATERIAL LOCATIONS SHALL BE STAKED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE
- LANDSCAPE ARCHITECT OR OWNER PRIOR TO INSTALLATION. 2. FINE GRADING SHALL BE PERFORMED IN ALL AREAS TO BE SEEDED. FINE GRADING SHALL INCLUDE THE REMOVAL OF DEBRIS, ROCKS, ETC. FROM THE SITE AND ENSURE POSITIVE DRAINAGE IN ALL AREAS TO BE SEEDED.
- 3. THE CONTRACTOR SHALL VERIFY ALL BUILDING SETBACK LINES. EASEMENT LINES. AND VISIBILITY LINES IN THE FIELD PRIOR TO CONSTRUCTION.
- 4. THE CONTRACTOR SHALL VERIFY LOCATIONS OF AND PROTECT ALL UTILITIES IN THE FIELD PRIOR TO COMMENCEMENT OF
- 5. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL SITE FEATURES.
- 6. GRASSING QUANTITIES ARE APPROXIMATE AND CONTRACTOR IS RESPONSIBLE FOR ALL AREAS DESIGNATED ON PLANS, INCLUDING ALL DISTURBED AREAS DUE TO CONSTRUCTION.
- 7. SEE SPECIFICATIONS FOR SEEDING DATES.
- 8. SEE SHEET LA202 FOR PLANT LIST.
- 9. TEMPORARY IRRIGATION SYSTEM SHALL BE PROVIDED FOR ALL NEWLY PLANTED AND RESTORED AREAS.
- 10. CONTRACTOR SHALL PROVIDE A FULL IRRIGATION DESIGN FOR TEMPORARY IRRIGATION BY A LICENSED IRRIGATOR BY THE TCEQ. THE SIGNED AND SEALED IRRIGATION PLAN SHALL BE REVIEWED AND APPROVED BY THE CITY.

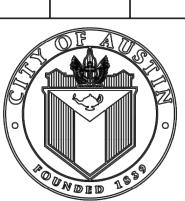
PLANT LIST:

| LANI LIJI. | |
|--------------------|----------------|
| PLANT ABBREVIATION | COMMON NAME |
| TREES | |
| AE | AMERICAN ELM |
| BP | BALD CYPRESS |
| СО | CHINKAPIN OAK |
| DW | DESERT WILLON |
| ER | EASTERN REDBUD |
| LO | LIVE OAK |
| MO | MOTERREY OAK |
| PC | PECAN |
| SM | SYCAMORE |
| YH | YAUPON HOLLY |

| | REVISION DESCRIPTIC | | | | | | |
|---|---------------------|--|--|--|--|--|--|
| | DATE | | | | | | |
| | ВУ | | | | | | |
| l | REV. BY NO. | | | | | | |
| | | | | | | | |

| NOT FOR CONSTRUCTION |
|--|
| THIS DOCUMENT IS RELEASED FOR THE |
| PURPOSE OF INTERIM REVIEW UNDER THE |
| AUTHORITY OF: MATTHEW L. MILANO |
| TEXAS NO: 3028 ON DATE: 1/6/2022 |
| IT IS NOT TO BE USED FOR CONSTRUCTION, |
| BIDDING OR PERMIT PURPOSES. |

CI. PUBL ENGINE



| NOTES | NAME | DATE | | |
|-------------|------|---------|--|--|
| SURVEY BY | МКС | 12/2017 | | |
| DRAWN BY | YC | 1/2022 | | |
| DESIGNED BY | MLM | 1/2022 | | |
| CHECKED BY | JHH | 1/2022 | | |
| REVIEWED BY | | | | |



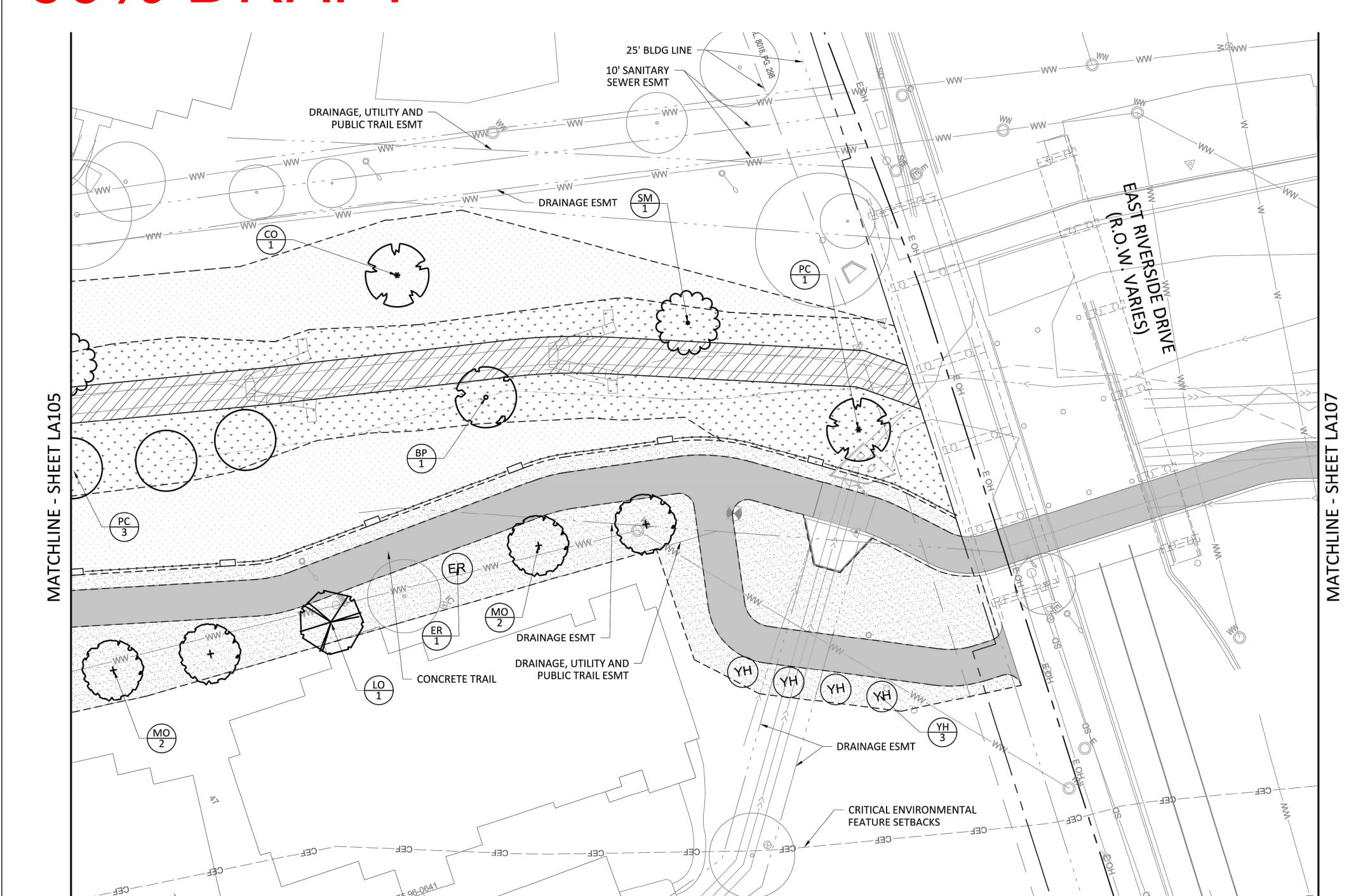
Web - www.freese.com GP-2020-___.PWD

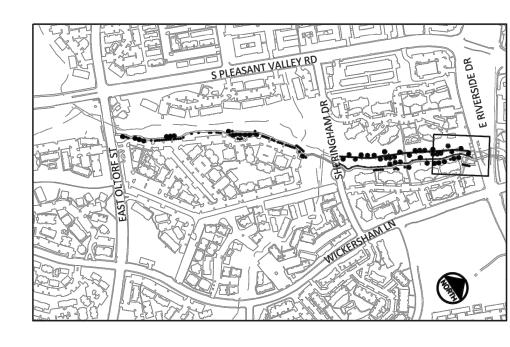
Phone - (512) 617-3100

95 of 109

0 10' 20' SCALE IN FEET







LEGEND:

PLANT ABBREVIATION (SEE PLANT LIST **SHEET LA202 FOR PLANT DESCRIPTIONS)** STREAMBED PLANTINGS (GRASSES @ 12" O.C.

REF PLANT LIST ON SHEET LA202) LOWER RIPARIAN ZONE (SHRUBS / FORBS / SEEDED GRASSES @

LA202) **UPPER RIPARIAN ZONE** (SHRUBS / FORBS / SEEDED GRASSES @ 24"-36" O.C. REF PLANT LIST ON SHEET

12"-18" O.C. REF PLANT LIST ON SHEET

LA202) TRAIL ZONE - SOLID SOD TURFGRASS (ST AUGUSTINE REF PLANT LIST ON SHEET LA202)

EXISTING TREE

2' X 2' X 5' LIMESTONE BOULDER

LIMITS OF CONSTRUCTION (L.O.C.)

NOTES:

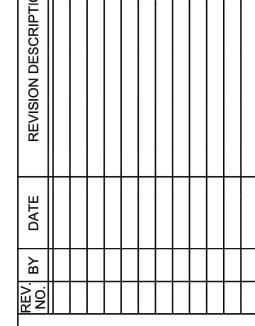
- 1. ALL PLANT MATERIAL LOCATIONS SHALL BE STAKED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER PRIOR TO INSTALLATION.
- 2. FINE GRADING SHALL BE PERFORMED IN ALL AREAS TO BE SEEDED. FINE GRADING SHALL INCLUDE THE REMOVAL OF DEBRIS, ROCKS, ETC. FROM THE SITE AND ENSURE POSITIVE DRAINAGE IN ALL AREAS TO BE SEEDED.
- 3. THE CONTRACTOR SHALL VERIFY ALL BUILDING SETBACK LINES, EASEMENT LINES, AND VISIBILITY LINES IN THE FIELD PRIOR TO CONSTRUCTION.
- 4. THE CONTRACTOR SHALL VERIFY LOCATIONS OF AND PROTECT ALL UTILITIES IN THE FIELD PRIOR TO COMMENCEMENT OF
- 5. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL SITE FEATURES.
- 6. GRASSING QUANTITIES ARE APPROXIMATE AND CONTRACTOR IS RESPONSIBLE FOR ALL AREAS DESIGNATED ON PLANS, INCLUDING ALL DISTURBED AREAS DUE TO CONSTRUCTION.
- 7. SEE SPECIFICATIONS FOR SEEDING DATES.
- 8. SEE SHEET LA202 FOR PLANT LIST.
- 9. TEMPORARY IRRIGATION SYSTEM SHALL BE PROVIDED FOR ALL NEWLY PLANTED AND RESTORED AREAS.
- 10. CONTRACTOR SHALL PROVIDE A FULL IRRIGATION DESIGN FOR TEMPORARY IRRIGATION BY A LICENSED IRRIGATOR BY THE TCEQ. THE SIGNED AND SEALED IRRIGATION PLAN SHALL BE REVIEWED AND APPROVED BY THE CITY.

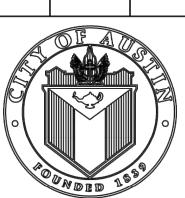
0 10' 20'

SCALE IN FEET

PLANT LIST:

| COMMON NAME |
|----------------|
| |
| AMERICAN ELM |
| BALD CYPRESS |
| CHINKAPIN OAK |
| DESERT WILLON |
| EASTERN REDBUD |
| LIVE OAK |
| MOTERREY OAK |
| PECAN |
| SYCAMORE |
| YAUPON HOLLY |
| |





| NOTES | NAME | DATE |
|-------------|------|---------|
| SURVEY BY | MKC | 12/2017 |
| DRAWN BY | YC | 1/2022 |
| DESIGNED BY | MLM | 1/2022 |
| CHECKED BY | JHH | 1/2022 |
| REVIEWED BY | | |

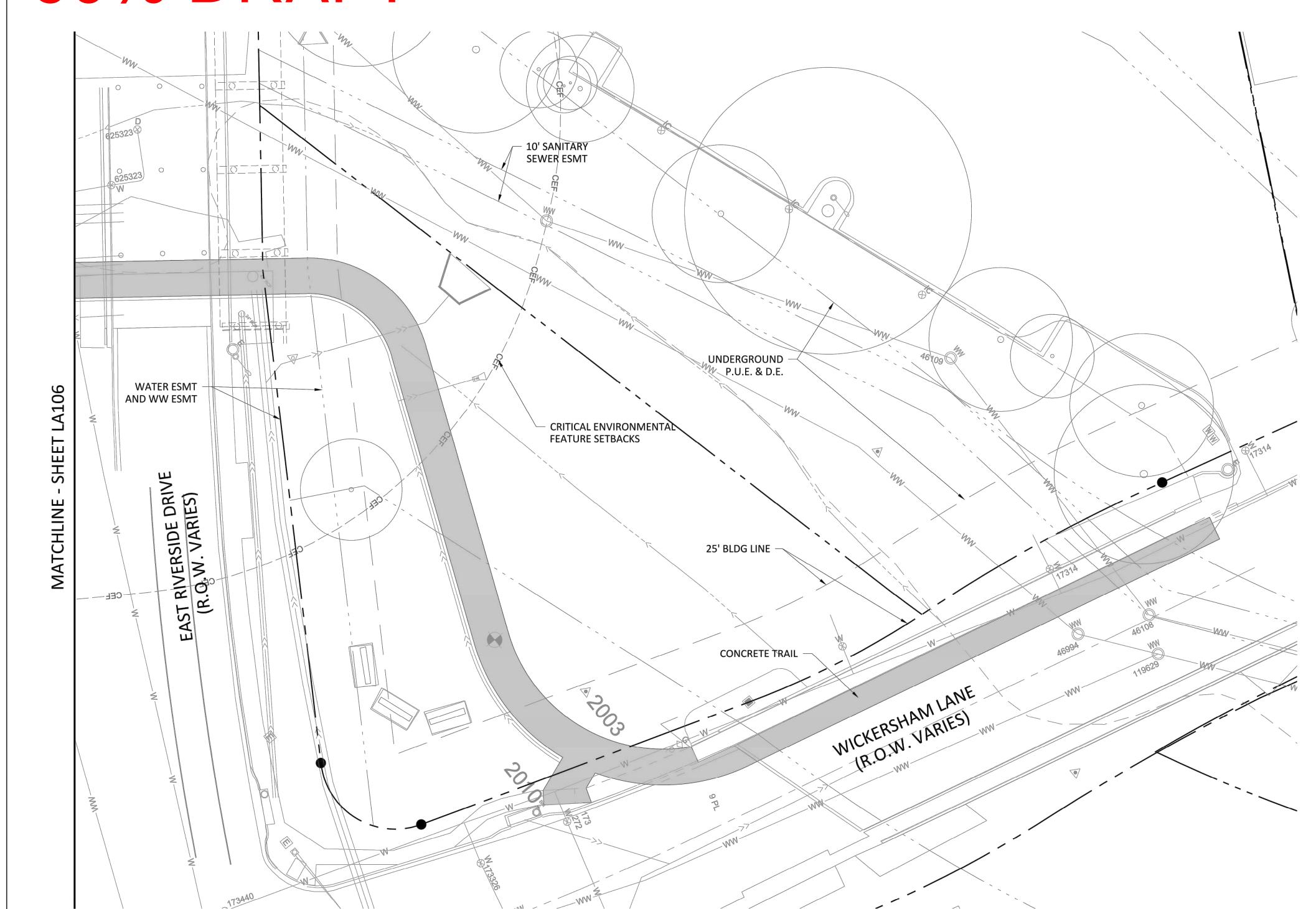


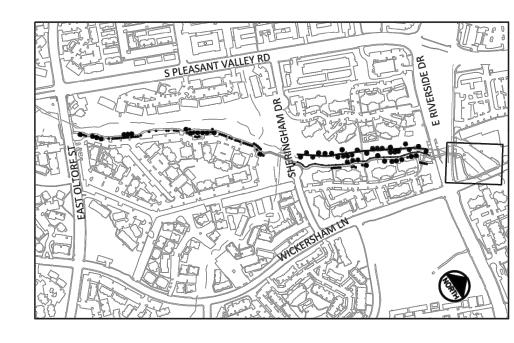
Phone - (512) 617-3100 Web - www.freese.com

GP-2020-____.PWD

96 of 109







LEGEND:

PLANT ABBREVIATION (SEE PLANT LIST SHEET LA202 FOR PLANT DESCRIPTIONS)

STREAMBED PLANTINGS

(GRASSES @ 12" O.C. **REF PLANT LIST ON SHEET LA202)** LOWER RIPARIAN ZONE

(SHRUBS / FORBS / SEEDED GRASSES @ 12"-18" O.C. REF PLANT LIST ON SHEET LA202)

UPPER RIPARIAN ZONE (SHRUBS / FORBS / SEEDED GRASSES @ 24"-36" O.C. REF PLANT LIST ON SHEET

TRAIL ZONE - SOLID SOD TURFGRASS (ST AUGUSTINE REF PLANT LIST ON SHEET LA202)

EXISTING TREE

2' X 2' X 5' LIMESTONE BOULDER

LIMITS OF CONSTRUCTION (L.O.C.)

NOTES:

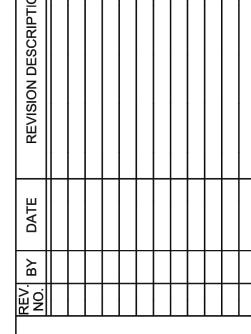
- 1. ALL PLANT MATERIAL LOCATIONS SHALL BE STAKED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER PRIOR TO INSTALLATION.
- 2. FINE GRADING SHALL BE PERFORMED IN ALL AREAS TO BE SEEDED. FINE GRADING SHALL INCLUDE THE REMOVAL OF DEBRIS, ROCKS, ETC. FROM THE SITE AND ENSURE POSITIVE DRAINAGE IN ALL AREAS TO BE SEEDED.
- 3. THE CONTRACTOR SHALL VERIFY ALL BUILDING SETBACK LINES, EASEMENT LINES, AND VISIBILITY LINES IN THE FIELD PRIOR TO CONSTRUCTION.
- 4. THE CONTRACTOR SHALL VERIFY LOCATIONS OF AND PROTECT ALL UTILITIES IN THE FIELD PRIOR TO COMMENCEMENT OF
- 5. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL SITE FEATURES.
- 6. GRASSING QUANTITIES ARE APPROXIMATE AND CONTRACTOR IS RESPONSIBLE FOR ALL AREAS DESIGNATED ON PLANS, INCLUDING ALL DISTURBED AREAS DUE TO CONSTRUCTION.
- 7. SEE SPECIFICATIONS FOR SEEDING DATES.
- 8. SEE SHEET LA202 FOR PLANT LIST.
- 9. TEMPORARY IRRIGATION SYSTEM SHALL BE PROVIDED FOR ALL NEWLY PLANTED AND RESTORED AREAS.
- 10. CONTRACTOR SHALL PROVIDE A FULL IRRIGATION DESIGN FOR TEMPORARY IRRIGATION BY A LICENSED IRRIGATOR BY THE TCEQ. THE SIGNED AND SEALED IRRIGATION PLAN SHALL BE REVIEWED AND APPROVED BY THE CITY.

0 10' 20'

SCALE IN FEET

PLANT LIST:

| COMMON NAME |
|----------------|
| |
| AMERICAN ELM |
| BALD CYPRESS |
| CHINKAPIN OAK |
| DESERT WILLON |
| EASTERN REDBUD |
| LIVE OAK |
| MOTERREY OAK |
| PECAN |
| SYCAMORE |
| YAUPON HOLLY |
| |



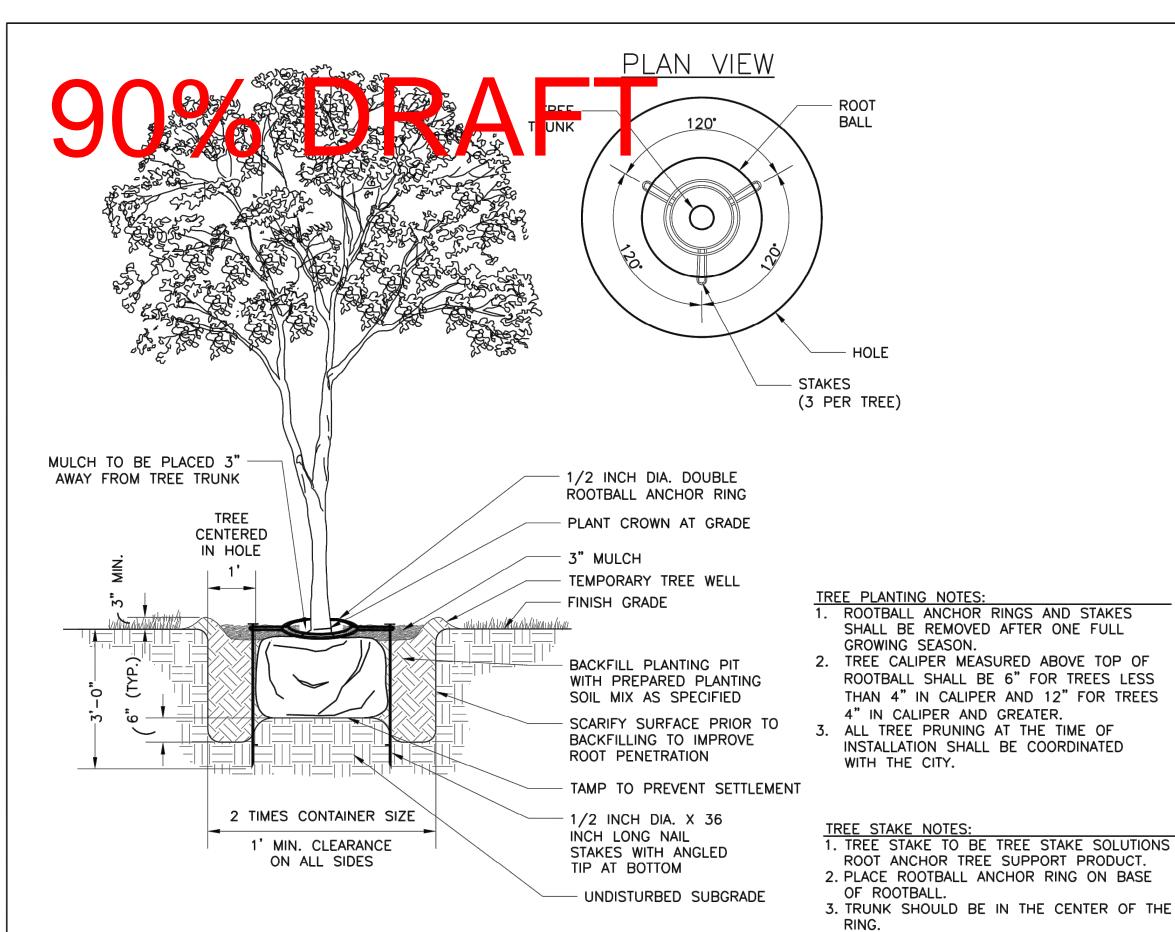
| | | |] ~ |
|-------------|------|---------|------------------|
| NOTES | NAME | DATE | |
| SURVEY BY | МКС | 12/2017 | |
| DRAWN BY | YC | 1/2022 | |
| DESIGNED BY | MLM | 1/2022 | NO C |
| CHECKED BY | JHH | 1/2022 | 1/6/2022 A-42 DM |
| REVIEWED BY | | | 1/8/20 |
| | | | |



GP-2020-___.PWD

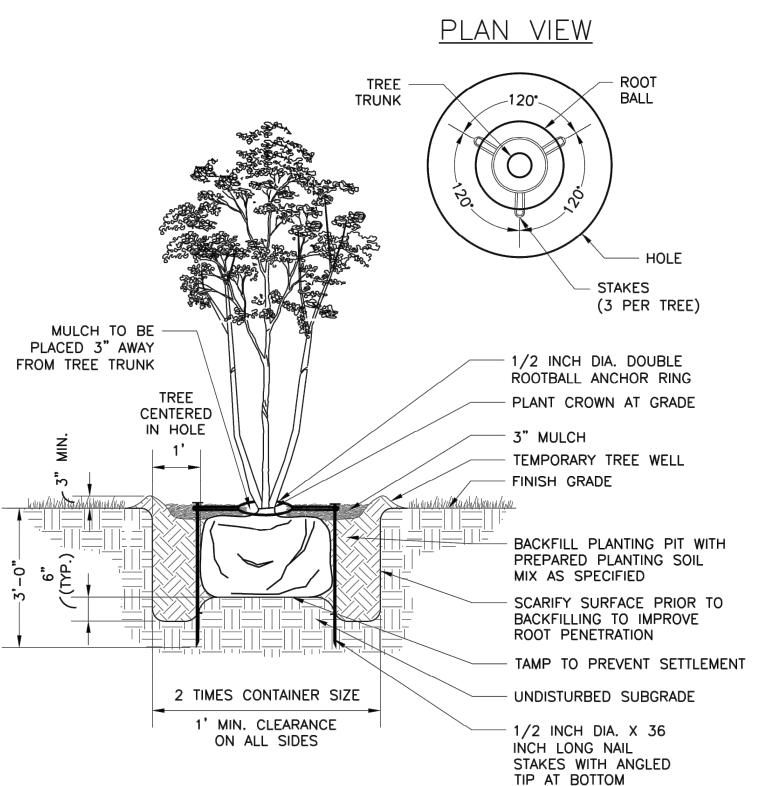
Phone - (512) 617-3100 Web - www.freese.com

97 of 109





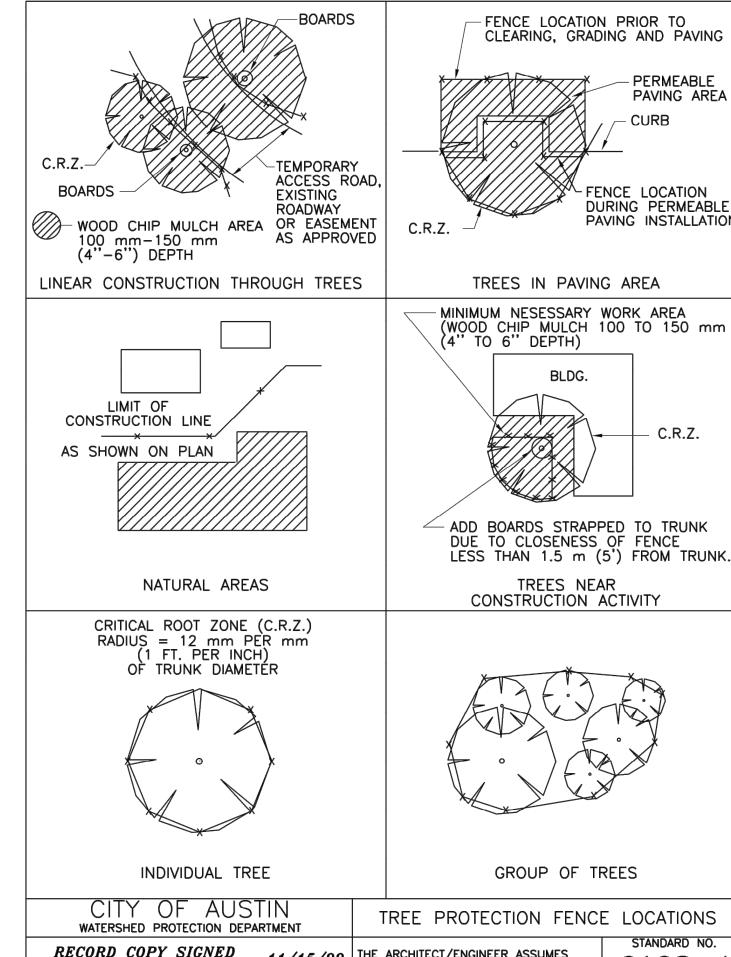
(A201

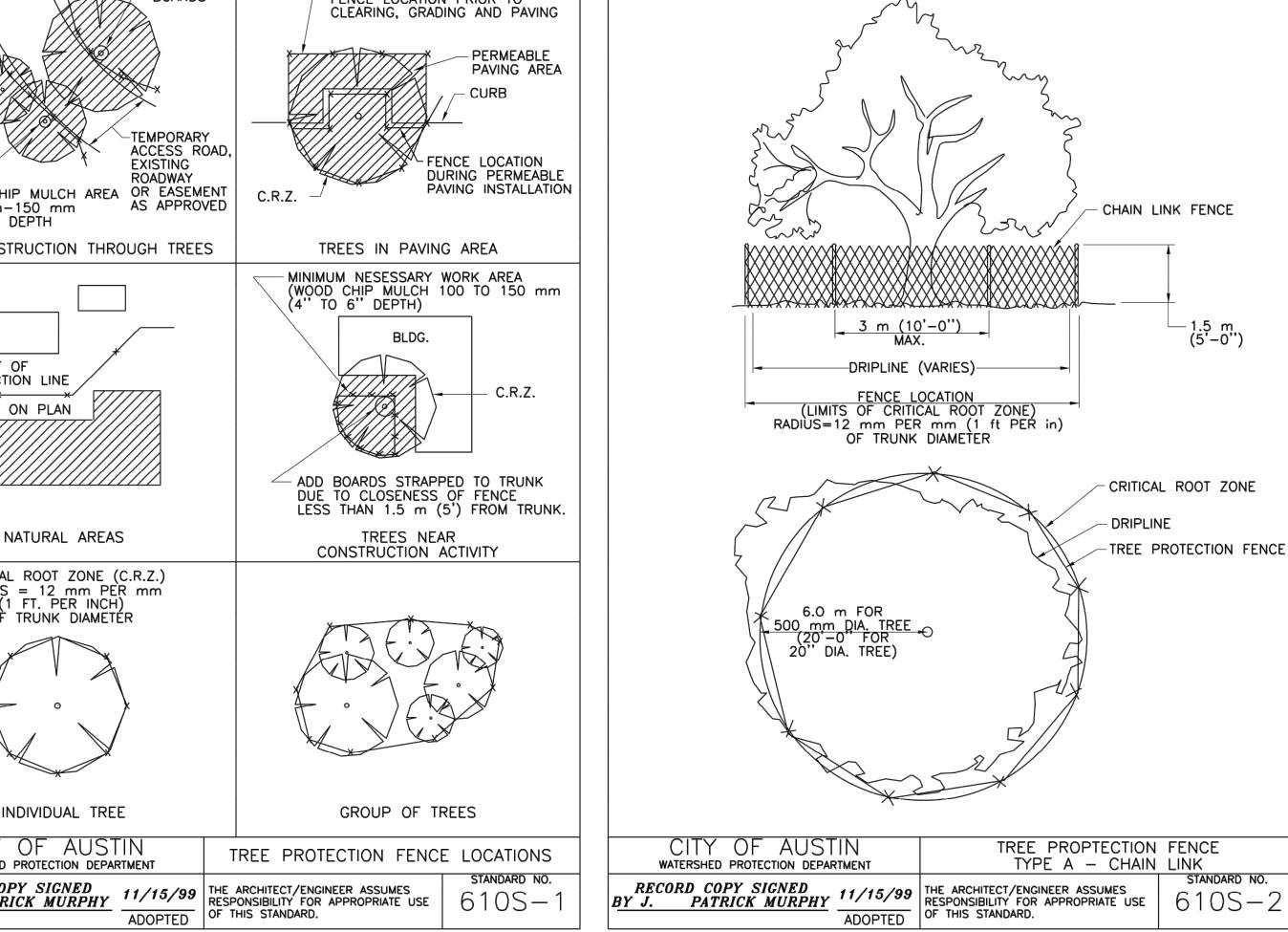




1/2"=1'-0"











1. FOR MASSED AND ROW PLANTINGS

4. INSTALL NAIL STAKE WITH HAMMER OR MALLET FIRMLY INTO UNDISTURBED SOIL

BRACKET ADJACENT TO ROOTBALL (DO NOT

BRACKET, AND NAIL STAKES WITH 3" LAYER

5. DRIVE NAIL STAKES FLUSH WITH 'U'

6. BACKFILL HOLE WITH PLANTING SOIL

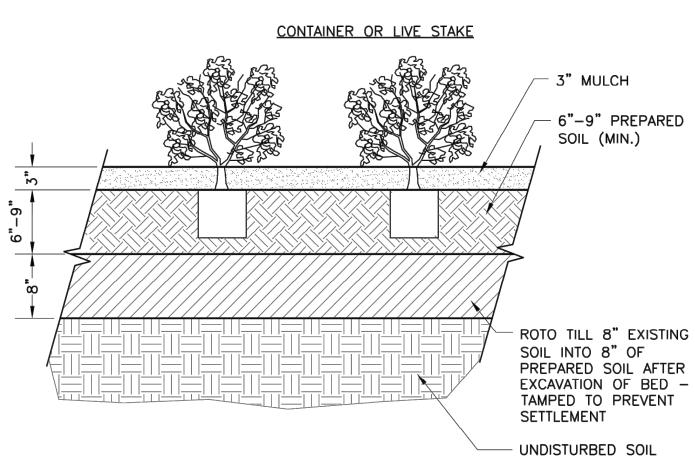
7. COVER ROOTBALL ANCHOR RING, U

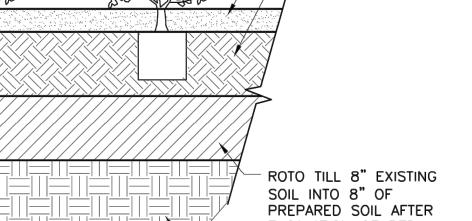
DISTURB ROOTBALL)

MIXTURE.

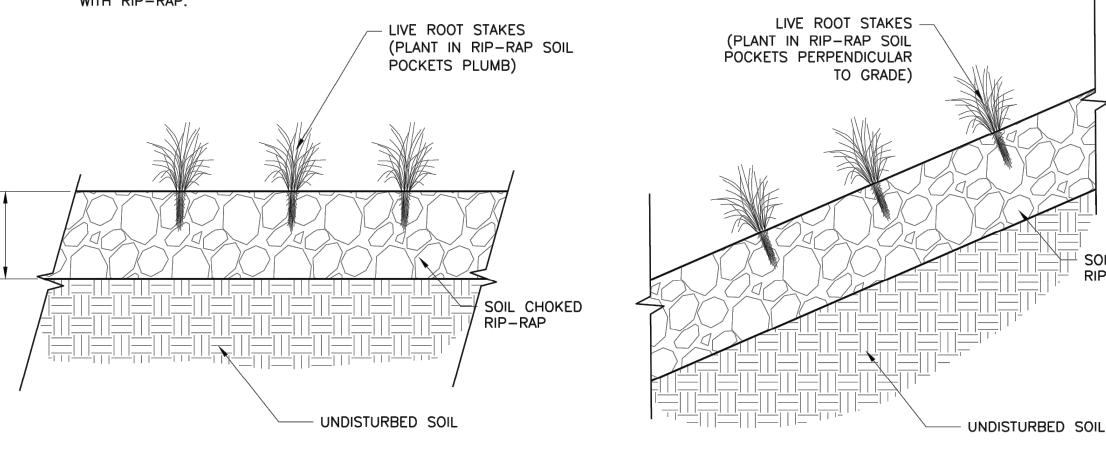
OF MULCH.

2. PLANT SHRUBS USING SPACING AS DESIGNATED IN THE PLANT LIST (SEE LA203) AND SHOWN ON PLANTING PLANS





- CREATED AT PLANTING LOCATIONS.
- 2) DO NOT CRUSH LIVE ROOT STAKES WITH RIP-RAP.

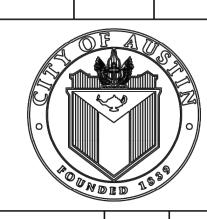


FLAT CONDITION SLOPED CONDITION

LIVE STAKE IN SOIL CHOKED RIPRAP PLANTING DETAIL 1"=1'

CLUB R. TO E

NDS



| | | | ı – |
|------------|------|---------|------------------|
| NOTES | NAME | DATE | |
| SURVEY BY | MKC | 12/2017 | |
| DRAWN BY | YC | 1/2022 | |
| ESIGNED BY | MLM | 1/2022 | Md S |
| HECKED BY | JHH | 1/2022 | 1/6/2022 4-53 DM |
| EVIEWED BY | | | 1/6/20 |

FREESE NICHOLS 10431 Morado Circle, Suite 300

Austin, Texas 78759 Phone - (512) 617-3100

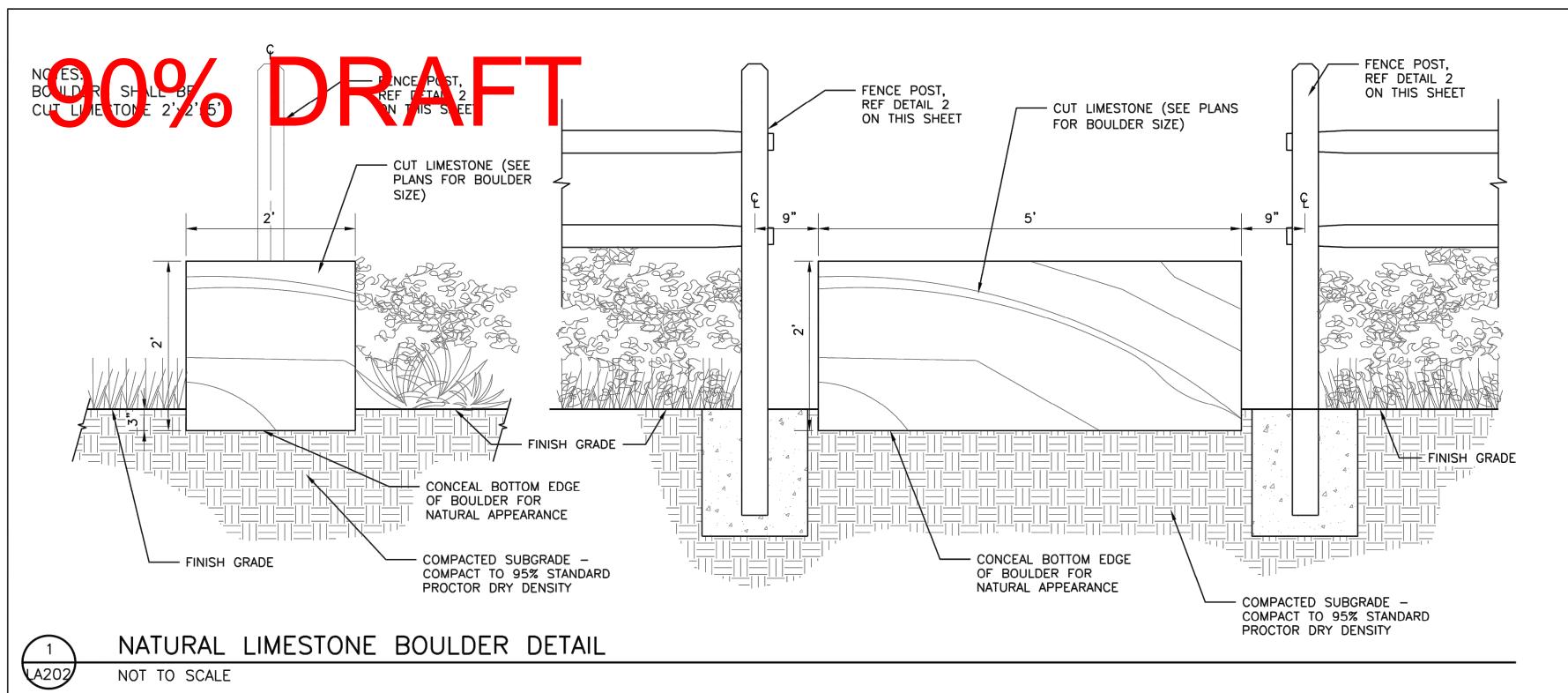
Web - www.freese.com

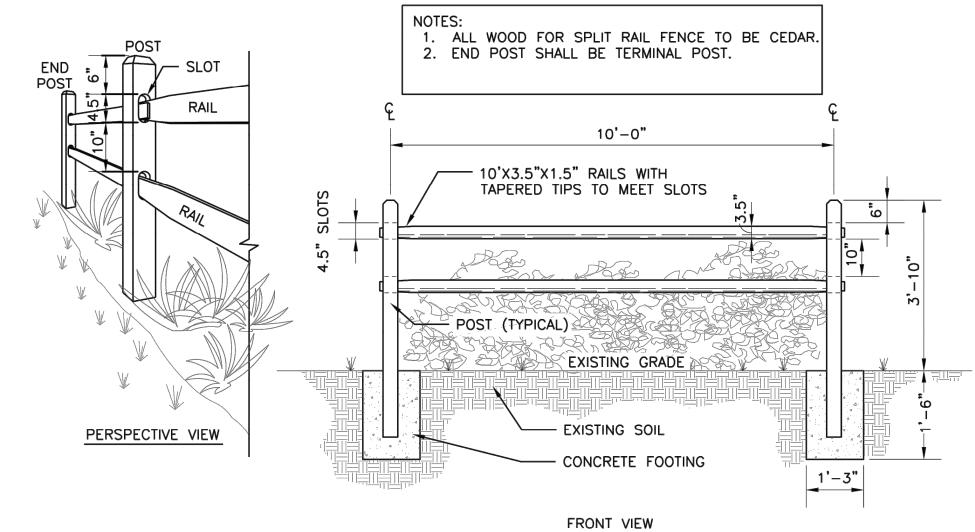
GP-2020-___.PWD

98 of 109

SOIL CHOKED RIP-RAP

RECORD COPY SIGNED BY J. PATRICK MURPHY LA201 N.T.S. NOTES: 1) ENSURE ADEQUATE SOIL POCKET IS





2 A202

SPLIT-RAIL FENCE DETAIL

N.T.S.

CITY OF AUSTIN, TEXAS
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES DIVISION
COUNTRY CLUB CREEK TRAIL
ELMONT DR. TO E. OLTORF ST.

DETAILS

NDSCAPE

O POWN DED 1999

| | | | ~ |
|-------------|------|---------|----------|
| NOTES | NAME | DATE | |
| SURVEY BY | MKC | 12/2017 | |
| DRAWN BY | YC | 1/2022 | |
| DESIGNED BY | MLM | 1/2022 | 4:54 PM |
| CHECKED BY | JHH | 1/2022 | |
| REVIEWED BY | | | 1/6/2022 |
| | | | |



10431 Morado Circle, Suite 300 Austin, Texas 78759 Phone - (512) 617-3100 Web - www.freese.com

GP-2020-___.PWD

_A202 | 99 of 10

| | | _ | LOW | ER RIPAF | RIAN ZONE | | |
|------------------|---------------------------------------|--------|--|-------------------------|----------------------------------|-----------|--|
| F ANT AL BREV | s м | QTY | SIZE | CC IMON NA ME | BOTANICA NAME | CONDITION | COMMENTS |
| TREES | | 70 | | | | | |
| ВР | \odot | 9 | 3" CALIPER 10'-12' HEIGHT 5'-6' SPREAD | BALD CYPRESS | TAXODIUM DISTICHUM | CONTAINER | FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD |
| PC | \odot | 6 | 3" CALIPER 10'-12' HEIGHT 5'-6' SPREAD | PECAN | POPULUS DELTOIDES | CONTAINER | FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD |
| SYM | \odot | 7 | 3" CALIPER 10'-12' HEIGHT 5'-6' SPREAD | SYCAMORE | PLATANUS OCCIDENTALIS | CONTAINER | FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD |
| SHRUBS / FC | RBS / GRASS | ES | | | | | |
| BS | * * * * * * * * * * * * * * * * * * * | 6,500 | LIVE STAKE | BUSHY BLUESTEM | ANDROPOGON GLOMERATUS (FACW+) | CONTAINER | 12" O.C.; TRIANGULAR SPACING, RANDOM ARRANGEMENT |
| DT | * * * * * * * * * * * * * * * * * * * | 6,500 | LIVE STAKE | DEVIL'S BEGGAR-TICKS | BIDENS FRONDOSA (FACW) | CONTAINER | 12" O.C.; TRIANGULAR SPACING, RANDOM ARRANGEMENT |
| EG | * * * * * * * * * * * * * * * * * * * | 626 SY | SEED | EASTERN GAMMA GRASS | TRIPSACUM DACTYLOIDES (FAC+) | CONTAINER | REFER TO SPEC 6042 FOR APPLICATION RATES |
| SG | * * * * * * * * * * * * * * * * * * * | 626 SY | SEED | SWITCHGRASS | PANICUM VIRGATUM (FACW) | CONTAINER | REFER TO SPEC 6042 FOR APPLICATION RATES |
| WC | * * * * * * * * * * * * * * * * * * * | 2,890 | 1 GAL | WILD COLUMBINE | AQUILEGIA CANADENSIS (FACW) | CONTAINER | 18" O.C.; TRIANGULAR SPACING, RANDOM ARRANGEMENT |
| WL | * * * * * * * * * * * * * * * * * * * | 1,625 | 3 GAL | WINGED LOOSESTRIFE | LYTHRUM ALATUM (OBL) | CONTAINER | 24" O.C.; TRIANGULAR SPACING, RANDOM ARRANGEMENT |
| | | | UPP | FR RIPAR | RIAN ZONE | | |
| PLANT ABBREV. | SYM. | QTY | SIZE | COMMON NAME | BOTANICAL NAME | CONDITION | COMMENTS |
| TREES | I | L | l | | L | | L |
| AE | \odot | 2 | 3" CALIPER 10'-12' HEIGHT 5'-6' SPREAD | AMERICAN ELM | TAXODIUM DISTICHUM | CONTAINER | FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD |
| со | £.3 | 4 | 3" CALIPER 10'-12' HEIGHT 5'-6' SPREAD | CHINKAPIN OAK | QUERCUS MUEHLENBERGII | CONTAINER | FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD |
| SHRUBS / FC | RBS / GRASS | ES | | | | | |
| ES | | 797 SY | SEED | EMORY SEDGE | CAREX EMORYI (OBL) | CONTAINER | REFER TO SPEC 6042 FOR APPLICATION RATES |
| FO | | 2,068 | 3 GAL | FALL OBEDIANT | PHYSOSTEGIA | CONTAINER | 24" O.C.; TRIANGULAR SPACING, RANDOM |

CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION

- 1. ALL TREES AND NATURAL AREAS SHOWN ON PLAN TO BE PRESERVED SHALL BE PROTECTED DURING CONSTRUCTION WITH TEMPORARY FENCING.
- 2. PROTECTIVE FENCES SHALL BE ERECTED ACCORDING TO CITY OF AUSTIN STANDARDS FOR TREE PROTECTION. 3. PROTECTIVE FENCES SHALL BE INSTALLED PRIOR TO THE START OF ANY SITE PREPARATION WORK (CLEARING,
- GRUBBING OR GRADING), AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT. 4. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP WITHIN TREE DRIP LINES.
- 5. PROTECTIVE FENCES SHALL SURROUND THE TREES OR GROUP OF TREES, AND WILL BE LOCATED AT THE OUTERMOST LIMIT OF BRANCHES (DRIP LINE), FOR NATURAL AREAS, PROTECTIVE FENCES SHALL FOLLOW THE LIMIT OF CONSTRUCTION LINE, IN ORDER TO PREVENT THE FOLLOWING:
- 5.A. SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS;
- 5.B. ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN 6 INCHES CUT OR FILL), OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE CITY ARBORIST;
- 5.C. WOUNDS TO EXPOSED ROOTS, TRUNK OR LIMBS BY MECHANICAL EQUIPMENT; 5.D. OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CEMENT TRUCK CLEANING, AND FIRES.
- 6. EXCEPTIONS TO INSTALLING FENCES AT TREE DRIP LINES MAY BE PERMITTED IN THE FOLLOWING CASES: 6.A. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, TREE WELL, OR OTHER
- SUCH SITE DEVELOPMENT, ERECT THE FENCE APPROXIMATELY 2 TO 4 FEET BEYOND THE AREA DISTURBED; 6.B. WHERE PERMEABLE PAVING IS TO BE INSTALLED WITHIN A TREE'S DRIP LINE, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA (PRIOR TO SITE GRADING SO THAT THIS AREA IS GRADED SEPARATELY PRIOR TO PAVING INSTALLATION TO MINIMIZE ROOT DAMAGE);
- 6.C. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE TO ALLOW 6 TO 10 FEET OF WORK SPACE BETWEEN THE FENCE AND THE BUILDING:
- 6.D. WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACT SIZE, OR OTHER SPECIAL REQUIREMENTS, CONTACT THE CITY ARBORIST AT 974-1876 TO DISCUSS ALTERNATIVES.

SPECIAL NOTE: FOR THE PROTECTION OF NATURAL AREAS, NO EXCEPTIONS TO INSTALLING FENCES AT THE LIMIT OF CONSTRUCTION LINE WILL BE PERMITTED.

- 7. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE BEING CLOSER THAN 4 FEET TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF 8 FT (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING PROVIDED.
- 8. TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.
- 9. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOP SOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
- 10. ANY TRENCHING REQUIRED FOR THE INSTALLATION OF LANDSCAPE IRRIGATION SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE.
- 11. NO LANDSCAPE TOPSOIL DRESSING GREATER THAN 4 INCHES SHALL BE PERMITTED WITHIN THE DRIP LINE OF TREES. NO SOIL IS PERMITTED ON THE ROOT FLARE OF ANY TREE.
- 12. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC AND EQUIPMENT SHALL TAKE PLACE BEFORE DAMAGE OCCURS (RIPPING OF BRANCHES, ETC).
- 13. ALL FINISHED PRUNING SHALL BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY (REFERENCE THE NATIONAL ARBORIST ASSOCIATION PRUNING STANDARDS FOR SHADE TREES AVAILABLE ON REQUEST FROM THE CITY ARBORIST).
- 14. DEVIATIONS FROM THE ABOVE NOTES MAY BE CONSIDERED ORDINANCE VIOLATIONS IF THERE IS SUBSTANTIAL NON-COMPLIANCE OR IF A TREE SUSTAINS DAMAGE AS A RESULT.

TOTAL CALIPER INCHES OF TREES: 119 X 3" CALIPER = 357" CALIPER

APPENDIX C LANDSCAPE CALCULATIONS

| STREET YARD | | | | | |
|--|-----------------|------------------------|--|-------------------------------|------------------------------------|
| | | Require | ed | Prov | ided |
| Total Site Area Total Street-yard Area Street-yard/ Landscape(20 | 0%) | N/A N/A N/A | sf | N/A N/A N/A | sf sf sf (|
| TREES (street yard) | | | | | |
| | Required | | Provided | | |
| | N/A | and I | N/A | (Including | existing tree credit |
| Existing Trees Credit | | | | | |
| 2" diameter to 6" diameter 6" diameter or greater | N/A N/A | ea. x 1 = ea. x 2 = | THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW | ea. ea. | |
| Proposed Trees (street yard) | N/A | ea. | N/A | ea. | |
| Replacement Trees | | | | | |
| Required caliper inches rep Number & Size of replacem | | 5 a | | | |
| ISLANDS, MEDIANS, OR F | PENINSULAS |] | | | |
| | | ١ | Required | | Provided |
| Street-yard area Non street-yard area | | | | sf sf | sf |
| INNOVATIVE WATER MAN | AGEMENT |] | | | |
| Landscaping Receiving Sto Undisturbed Natural Areas Undisturbed Existing Trees | | | | sf sf sf | Provided sf sf sf |
| Total | | | [| sf | sf |
| BUFFERING POINTS | Required | 4 2 d | Total Provided | | |
| SIZE | QUANTITY | PREFE | RRED OTH | ER | PROVIDED |
| Larger Trees Small Trees Large Shrubs Medium Shrubs Small Shrubs Decorative Wall (3' minimu Berm (3' min. @ no < 4; | | If x | pts. pts. pts. pts. pts. ft x 3 | pts. pts. pts. pts. pts. pts. | pts. pts. pts. pts. pts. pts. pts. |
| ALTERNATIVE COMPLIA | NCE CALCULA | ATIONS | | | |
| Landscape area / Street-ya Islands, medians & peninso Trees / Street-yard Trees/ parking areas Islands, medians, peninsul Trees within 50' of parking | ula | parking | | pts pts pts pts pts pts | }_ }_ }_ }_ |
| | Tota | al Negati | ve | pt | S. |
| ALTERNATIVE COMPLIA | NCE - COMPE | NSATION | I | | |
| % of installed | Street-yard tre | es | | | pts. |

| egantepo. | Total Negative |
|-----------|--------------------------------------|
| TION | LTERNATIVE COMPLIANCE - COMPENSATION |
| (C. 100) | % of installed Street-yard trees |
| | % of increased Buffering |
| | Other (specify) |

Total Compensation

| DW | 6W) | 17 | 3" CALIPER 10'-12' HEIGHT 5'-6' SPREAD | DESERT WILLOW | CHILOPSIS LINEARIS | CONTAINER | FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD |
|------|----------|--------|--|---------------|----------------------------|-----------|---|
| ER | (ER) | 28 | 3" CALIPER 10'-12' HEIGHT 5'-6' SPREAD | EASTER REDBUD | CERCIS CANADENSIS | CONTAINER | FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD |
| LO | Θ | 9 | 3" CALIPER 10'-12' HEIGHT 5'-6' SPREAD | LIVE OAK | QUERCUS VIRGINIANA | CONTAINER | FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD |
| МО | 0 | 10 | 3" CALIPER 10'-12' HEIGHT 5'-6' SPREAD | MONTERREY OAK | QUERCUS POLYMORPHA | CONTAINER | FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD |
| YH | (H) | 27 | 3" CALIPER 10'-12' HEIGHT 5'-6' SPREAD | YAUPON HOLLY | ILEX VOMITORIA | CONTAINER | FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD |
| TURF | | | | | | | |
| SOD | | 53,360 | SF | ST. AUGUSTINE | STENOTAPHRUM SECUNDATUM | - | SOLID SOD (SEE SPECIFICATIONS) |

SECUNDATUM

VIRGINIANA

SOLIDAGO SPP.

SORGHASTRUM

NUTANS

HELIANTHUS

MAXIMILIANI

TRAIL ZONE

ELYMUS CANADENSIS

BOTANICAL NAME

ARRANGEMENT

ARRANGEMENT

12" O.C.; TRIANGULAR

REFER TO SPEC 6042

18" O.C.; TRIANGULAR

12" O.C.; TRIANGULAR

COMMENTS

SPACING, RANDOM

SPACING, RANDOM

ARRANGEMENT

ARRANGEMENT

CONDITION

CONTAINER

FOR APPLICATION RATES

SPACING, RANDOM

PLANT

GOLDENROD

INDIANGRASS

MAXIMILIAN

SUNFLOWER

WILDRYE

COMMON NAME

8,274

797 SY

3,677

8,274

QTY

LIVE STAKE

SEED

1 GAL

LIVE STAKE

SIZE

GR

IG

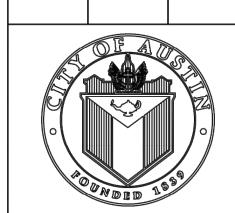
MS

PW

ABBREV.

TREES

| | STREAMBED ZONE | | | | | | | | |
|------------------|----------------|-------|------------|------------------------|---------------------------------|-----------|--|--|--|
| PLANT ABBREV. | SYM. | QTY | SIZE | COMMON NAME | BOTANICAL NAME | CONDITION | COMMENTS | | |
| SHRUBS / FO | RBS / GRASSE | ES | | | | | | | |
| EG | | 6,768 | LIVE STAKE | EASTERN GAMMA GRASS | TRIPSACUM DACTYLOIDES (FAC+) | CONTAINER | 12" O.C.; TRIANGULAR SPACING, RANDOM ARRANGEMENT | | |
| ES | | 6,768 | LIVE STAKE | EMORY SEDGE | PANICUM VIRGATUM (FACW) | CONTAINER | 12" O.C.; TRIANGULAR SPACING, RANDOM ARRANGEMENT | | |



ITY OF AUSTIN, TIC WORKS DEPA

CI. PUBL ENGINE

LUB 101

| | | | J ~ |
|-------------|------|---------|----------|
| NOTES | NAME | DATE | |
| SURVEY BY | MKC | 12/2017 | |
| DRAWN BY | YC | 1/2022 | |
| DESIGNED BY | MLM | 1/2022 | 4.5c DM |
| CHECKED BY | JHH | 1/2022 | |
| REVIEWED BY | | | 4/8/2022 |



Austin, Texas 78759 Phone - (512) 617-3100 Web - www.freese.com

GP-2020-___

100°F 109