



GRAPHIC SCALE IN FEET

SOLID SOD ROLLED TIGHT, WITH SAND FILLED JOINTS, 100% WEED DISEASE, AND PEST FREE

REMARKS

REMARKS

FULL AND MATCHING

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CITY OF LEAGUE CITY - LANDSCAPE REQUIREMENTS	REQUIRED	PROVIDED
LANDSCAPE AREA SHALL BE MINIMUM 15% OF TOTAL SITE AREA TOTAL SITE AREA = 84,260 SF	12,639 (15.0%)	20,726 (24%)
SPECIAL LANDSCAPE SETBACKS REQUIREMENTS		
STREET TREES SHALL BE PLANTED WITHIN THE R.O.W. OR PRIVATE PROPERTY WITHIN 20 FT PARALLEL OF R.O.W. WHEN ADJACENT TO A MAJOR THOROUGHFARE. ONE TREE PER 30 LF OF STREET FRONTAGE. AT LEAST 10 FT APART. FM 518: 256 LF / 30 = 9 TREES LAWRENCE: 278 LF / 30 = 11 TREES NORTH SIDE: 255 LF / 30 = 9 TREES WEST SIDE: 256 LF / 30 = 9 TREES	9 TREES 10 TREES 9 TREES 9 TREES	9 TREES 10 TREES 9 TREES 9 TREES
A CONTINUOUS HEDGE CONSISTING OF SHRUBS THAT ARE NOT LESS THAN 3 FEET OR MORE THAN 4 FEET IN HEIGHT AND PLANTED IN 3 0R 5 GALLON CONTAINER STOCKS UPON INSTALLATION.	YES	YES
ONE TREE FOR EVERY 8 PARKING SPACES 36 SPACES / 8 = 5 TREES	5 TREES	5 TREES
PARKING AREAS WITHIN 75 FEET OF ROW SHALL BE SCREENED FROM VIEW	YES	SHADE TREES SHRUBS

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		LEGEND
		PROPERTY LINE
	4	PARKING COUNT
		CURB RAMP NOT IN PUBLIC ROW
	Ğ	ACCESSIBILITY SPACE
L		

SITE INFORMATION

SITE LOCATION	FM 518 (DEKE SLAYTON HWY) AND LAWRENCE ROAD		
LEGAL DESCRIPTION	ABST 18 M MULDOON PT OF LOTS 1 & 2 (1-0) BLK 2 JARBOE ADDN		
TOTAL SITE AREA	±1.93 AC (±84,000 SF)		
SITE ZONING	GENERAL COMMERCIAL		
EXISTING USE	VACANT LOT		
PROPOSED USE	7-ELEVEN ESTABLISHMENT & FUEL STATION		
PROPOSED BUILDING AREA	4,842 SQ. FT.		
MAXIMUM BUILDING HEIGHT	25'		
BUILDING SETBACKS			
FRONT	20'-0"		
SIDE	15'-0"		
REAR	20'-0"		
LANDSCAPE REQUIREMENTS	ANDSCAPE REQUIREMENTS		
REQUIRED LANDSCAPE AREA	12,639 SF 15.0%		
PROVIDED LANDSCAPE AREA	20,726 SF 24%		
TYPE OF PLANTINGS USED	TREES AND SOD		
LOT COVERAGE	±1.44 AC (±62,726 SF) 74.6%		
LANDSCAPE BUFFER	10'-0"		
PARKING REQUIREMENTS			
VEHICLE FUELING PARKING STALLS REQUIRED	1 STALL PER 250 GFA = 18		
LIMITED SERVICE EATING ESTABLISHMENT PARKING STALLS REQUIRED	1 STALL PER 125 GFA = 5		
TOTAL PARKING STALLS REQUIRED	23		
PARKING STALLS PROVIDED	36		



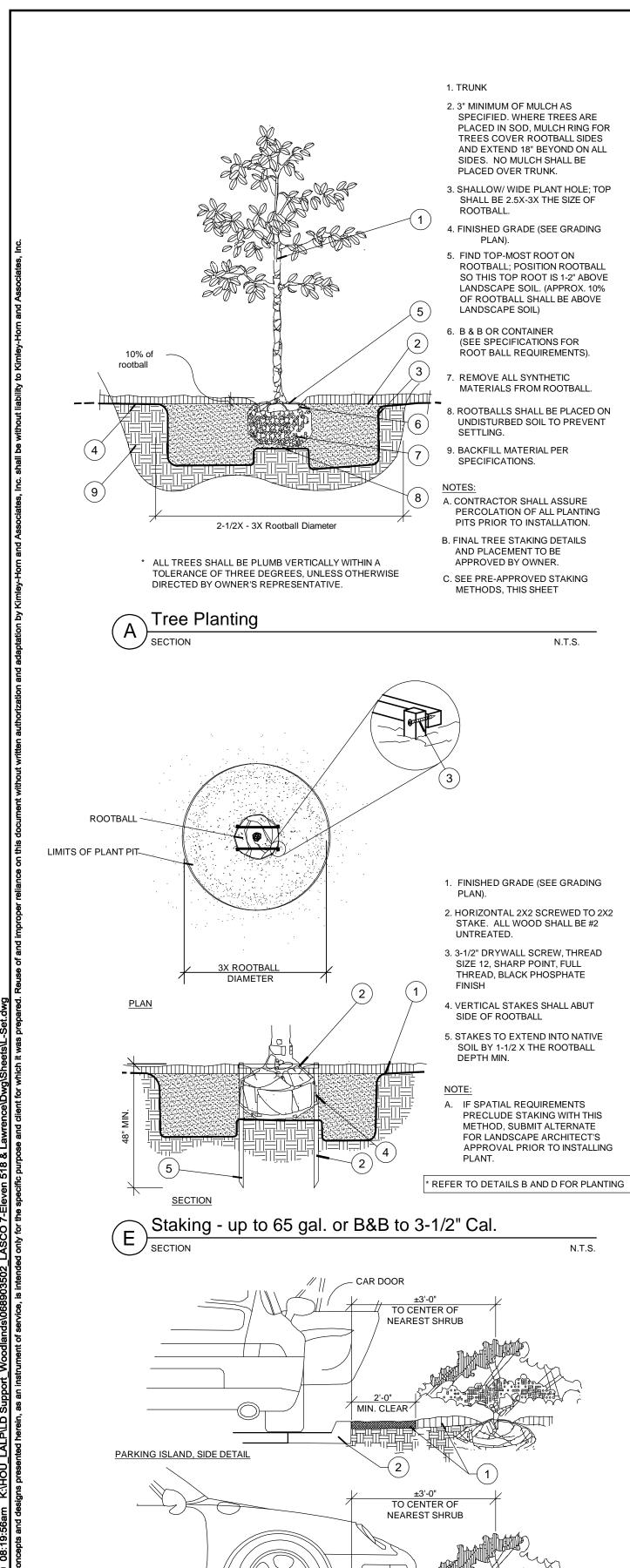
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

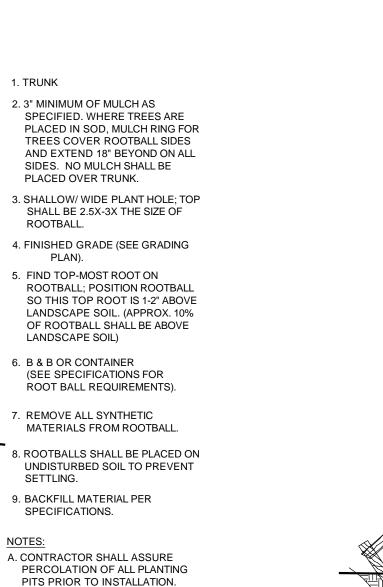
PRELIMINARY FOR REVIEW ONLY Not for construction or permit purposes Kimley»Horn P.L.A. KRISTINA N. MALEK
L.A. No. 2988 Date SEPT. 2020

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SHEET NUMBER L1.0





N.T.S.

N.T.S.

1. FIVE (5) LAYERS OF BURLAP TO PROTECT TRUNK 2. TWO STEEL BANDS TO SECURE BATTENS 3. FIVE 2 X 4 X 18"L WOOD BATTENS

4. THREE (3) 2" X 8' LODGE POLES. DRILL, USING GALVANIZED SCREWS, TO BATTENS AND 2" X 4" STAKES. NO SCREWS SHALL PENETRATE TREE. FLAG AT MIDPOINT AND AT BASE.

5. 2" x 4" x 3' (MIN), P.T. WOOD STAKES BURIED 3" BELOW FINISHED GRADE.

6. FINISHED GRADE (SEE GRADING PLAN)

A. ALL TREES SHALL BE PLUMB VERTICALLY WITHIN A TOLERANCE OF THREE DEGREES, UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.

B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER. C. ALTERNATE TREE ANCHORING SYSTEMS MAY BE SUBSTITUTED FOR WOOD STAKING SYSTEM UPON APPROVAL BY OWNER OR

OWNER'S REPRESENTATIVE

PRE-APPROVED SYSTEMS:

1. FINISH GRADE

BETTER

2. BACKFILL WITH PREPARED

3. FILTER CLOTH, MIRAFI 500X OR

4. SOIL MIX COMBINED WITH 30%

6. ±18"

AUGURED HOLE PENETRATE THROUGH OCCLUDING LAYER A

DEPTH OF 7' TO ASSURE PROPER

PERCOLATION. INSTALL 4" PVC

7. BACKFILL WITH 1/2" - 3/4" GRAVEL.

(MIN.) EXPANDED SHALE.

5. SLOPE BOTTOM TO DRAIN

PIPE WITH VENTED CAP.

A. FOR A PARKING ISLAND

PLANTING SITUATION,

B. REFER TO WRITTEN

INFORMATION.

CONTRACTOR TO BACKFILL

ENTIRE LENGTH OF PLANTING

AREA TO WITHIN 6" OF BACK OF

CURB OR EDGE OF PAVEMENT.

SPECIFICATIONS FOR ADDITIONAL

N.T.S.

PLANTING SOIL MIX AS SPECIFIED.

*BROOKS TREE BRACE SYSTEM *ARBOR TIE TREE BRACING D. RUBBER HOSE/WIRE SYSTEMS ARE NOT

* REFER TO DETAILS B AND D FOR PLANTING B Large Tree Staking - 100 Gal + or B&B 4" +

N.T.S.

PLANTED ABOVE THE LANDSCAPE GRADE. DO NOT COVER EXPOSED 10% ON SIDES WITH SOIL. 3. PRUNE ALL LIKE SHRUBS WITHIN A PLANTED MASS TO ACHIEVE A UNIFORM MASS/HEIGHT. 4. 3" MINIMUM MULCH AS SPECIFIED -DO NOT COVER ENTIRE SHRUB ROOTBALL OR CREATE 'WATER RINGS' ONLY COVER SIDES OF ROOTBALL WITH MULCH

1. FIND POINT WHERE TOPMOST

ROOT EMERGES FROM TRUNK

EXCESS SOIL IF NECESSARY.

2. TOP 10% OF SHRUB AND

WITHIN 2" OF SURFACE. CLEAR

GROUNDCOVER ROOTBALLS TO BE

5. EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED. 6. FINISHED GRADE (SEE GRADING

7. 12" DEPTH PREPARED PLANTING SOIL AS SPECIFIED. NOTE: WHEN GROUND- COVERS AND SHRUBS USED IN MASSES, ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED.

8. SCARIFY ROOTBALL SIDES AND BOTTOM.

N.T.S.

PLAN / SECTION

1. TREES, PALMS, AND LARGE SHRUBS (15 GAL OR GREATER) SHALL BE PLANTED IN

2. 3" MINIMUM OF MULCH AS SPECIFIED. WHERE TREES ARE PLACED IN SOD, MULCH RING FOR TREES COVER ROOTBALL SIDES AND EXTEND 18" BEYOND ON ALL SIDES. NO MULCH SHALL

SIMILAR MANNER

BE PLACED OVER TRUNK.

3. SHALLOW/ WIDE PLANT HOLE; TOP SHALL BE 3X THE SIZE OF ROOTBALL. 4. FINISHED GRADE (SEE GRADING PLAN).

5. FIND TOP-MOST ROOT ON ROOTBALL;

POSITION ROOTBALL SO THIS TOP ROOT IS 1-2" ABOVE LANDSCAPE SOIL. (APPROX. 10% OF ROOTBALL SHALL BE ABOVE LANDSCAPE SOIL) 6. BERM SOIL SO THAT TOP OF BERM IS

JUST BELOW THE TOP 10% OF THE TOP OF THE ROOTBALL. SLOPE DOWNHILL PORTION OF BERM AS REQUIRED TO MEET EXISTING GRADE. SLOPE SHALL NOT EXCEED 3:1 SLOPE.

7. B & B OR CONTAINER REMOVE ALL SYNTHETIC MATERIALS FROM ROOTBALL. (SEE SPECIFICATIONS FOR OTHER ROOT BALL REQUIREMENTS)

8. ROOTBALLS SHALL BE PLACED ON UNDISTURBED SOIL TO PREVENT SETTLING.

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY

C. SEE PRE-APPROVED STAKING METHODS, THIS SHEET

N.T.S.

* ALL TREES SHALL BE PLUMB VERTICALLY WITHIN A TOLERANCE

OF THREE DEGREES, UNLESS OTHERWISE DIRECTED BY

\ Planting on a Slope

OWNER'S REPRESENTATIVE.

3X Rootball Diameter

Shrub / Groundcover Planting

* ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB

VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNER'S

BEST FACE OF SHRUB/

REFER TO PLANT

AT BED EDGE (TYP)

GROUNDCOVER TO FACE

FRONT OF PLANTING BED.

SCHEDULE FOR SPACING

MAINTAIN 12" DEAD ZONE

2X Rootball Diameter

rootball

EXISTING GRADE

ELEVATION

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

1. 6'H "PERIMETER PLUS" CONSTRUCTION

OWNER'S REPRESENTATIVE APPROVED

EQUAL. SUBMIT PRODUCT INFORMATION

FOR APPROVAL PRIOR TO INSTALLATION.

PRESSURE TREATED WOOD POSTS WITH

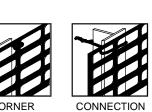
FENCE BY CONWED PLASTICS OR

2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8'

24" BURIAL BELOW GRADE.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/4 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 8' POST SHOULD BE SET AT LEAST 2' INTO THE

C. SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).



D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

Tree/Shrub Protector

<u>PLAN</u>

N.T.S.

Fire Hydrant Clear Zone

FIRE HYDRANT

'FRONT' OF HYDRANT (TOWARDS CURB)

2. NO PLANT MATERIAL SHALL BE PLACED WITHIN SHOWN LIMITS OF ALL

3. PROVIDE A MULCH, 3" DEPTH MIN., SURROUNDING AREA INDICATED.

PROPOSED OR EXISTING FIRE HYDRANTS. CONTRACTOR SHALL ADJUST PLANT

MATERIAL SO THAT NO CONFLICTS WITH FIRE HYDRANTS OCCUR ON SITE.

NEAREST SHRUB NEAREST SHRUB

2. NO POP-UP IRRIGATION HEADS SHALL BE LOCATED WITHIN 24" OF A PARKING SPACE ON ANY SIDE

3. CURB OR PARKING LOT EDGE, BY OTHERS

4. CONTRACTOR TO PROVIDE ALTERNATE BID TO PROVIDE DECOMPOSED GRANITE BED IN LIEU OF MULCH FOR REVIEW OF OWNER.

(MIN) TO CENTER OF TRUNK

Poor Drainage Condition

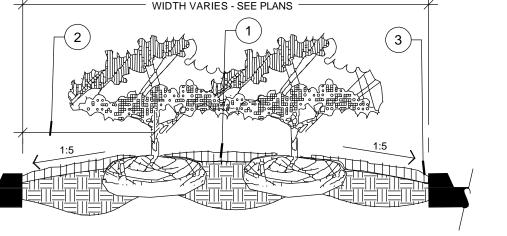
ROOTBALL

LIMITS OF TREE/ SHRUB PIT ~

A. <u>CLEAR ZONE:</u> 18" MIN. FROM BUILDING TO CENTER OF NEAREST SHRUB.

B. MULCH / STONE TO BE AS INDICATED ON THE PLANS. STONE TO BE PEA GRAVEL, 4" DEPTH WITH WEED BARRIER AND STEEL EDGING.

Plantings Adjacent to Buildings/Walls



2. CLEAR ZONE: 36" MIN. FROM BACK OF CURB TO CENTER OF NEAREST SHRUB. CLEAR ZONE

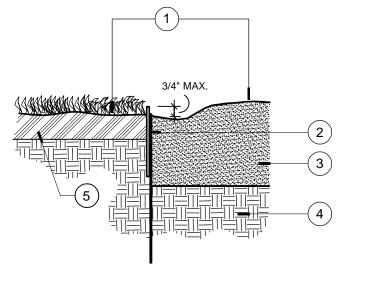
SHALL CONTAIN 3" CONTINUOUS MULCH OR TURF, SEE PLANS. SEE DETAIL II FOR PLANTER MEDIANS ADJACENT TO PARKING SPACES.

WHEN LIME STABILIZED SOIL IS ENCOUNTERED, EXCAVATE CONTINUOUS 36" DEEP (FROM TOP OF CURB)

• PROTECT AND RETAIN ALL CURBS AND BASE. COMPACTED SUBGRADE TO REMAIN FOR STRUCTURAL

Planted Parking Lot Islands / Medians

N.T.S.



1. DIFFERENT PLANTING TREATMENTS.

2. METAL EDGING

3. BED SOIL. 12" MINIMUM DEPTH. REF: NOTES AND/OR SPECS FOR MIX.

4. NATIVE SOIL

5. 4" TOPSOIL. REF: NOTES AND/OR SPECS FOR MIX. & DEPTH.

Steel Edging

N.T.S.

PRELIMINARY

FOR REVIEW ONLY

ot for construction or permit purpose **Kimley**≫**Horn**

P.L.A. KRISTINA N. MALEK L.A. No. 2988 Date SEPT. 2020

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SHEET NUMBER

PARKING ISLAND, NOSE-IN DETAIL 1. INSTALL CONTINUOUS MULCH BED ADJACENT TO PARKING SPACES AS SHOWN. MULCH SHALL BE

√ Parking Space/Curb Planting

N.T.S.

WIDTH VARIES - SEE PLANS

PLANTER ISLAND NOTES:

CROWN ISLANDS @ 5:1 SLOPES (OR AS SPECIFIED ON THE LANDSCAPE PLANS).

3. 1" MIN VERTICAL CLEARANCE, TOP OF CURB TO TOP OF MULCH.

FOR ENTIRE LENGTH AND WIDTH OF ISLAND & BACKFILL WITH APPROVED PLANTING MIX.

SUPPORT OF CURB SYSTEM (TYP). • ALL ISLANDS SHALL UTILIZE POOR DRAINAGE DETAIL WHEN PERCOLATION RATES ARE 2" PER HOUR OR

GENERAL LANDSCAPE SPECIFICATIONS AND NOTES

A. SCOPE OF WORK

- 1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED.
- 2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED WHERE HEAT WILL DAMAGE ANY PLANT. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/ OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER. D. MATERIALS

GENERAL

MATERIALS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL. UPON SUBMITTALS' APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

TOPSOIL MIX AMENDMENT MIX/ PRODUCT DATA/ TEST RESULTS PLANTS PHOTOGRAPHS OF ONE (1) OF EACH SPECIES (OR TAGGED IN NURSERY)

PRODUCT DATA

FERTILIZER PRODUCT DATA INNOCULANT PRODUCT DATA HERBICIDE PRODUCT DATA

STAKING/GUYINGFOR ALTERNATE TO DETAILS: SEND PRODUCT DATA, DETAIL CLIENT-REQUESTED TAGGING MAY SUBSTITUTE PHOTOS.

2. PLANT MATERIALS INDICATE SIZES (HEIGHT/WIDTH) AND QUALITY PER SPEC.

- A. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO STANDARDIZED PLANT NAMES, 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE AMERICAN STANDARD NURSERY STOCK. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST. THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.
- MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.
- C. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY; SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

1. ALL PLANTING BED PIT BACKFILL AREAS TO BE PREPARED USING COMPOST, SHARP SCREENED SAND AND EXPANDED SHALE BY SOIL BUILDING SOLUTIONS, LIVING EARTH, OR APPROVED EQUAL. TILL SOIL AMENDMENTS INTO EXISTING SOIL TO DEPTHS PER PLANTING DETAILS (12" DEPTH MIN). FINISHED GRADES OF PLANTING BEDS TO BE 1" BELOW FINISHED GRADE OF ADJACENT CONCRETE MOW STRIP OR AS SHOWN ON GRADING PLAN. PLANTING BED PIT SOIL SHALL BE A MIXTURE OF APPROXIMATELY 50% WEED-FREE EXISTING SOIL, 35% COMPOST, 10% EXPANDED SHALE, AND 5% SCREENED SHARP SAND. 98.5% OF THE PLANTING BED PIT SOIL PARTICLES WILL PASS THROUGH A 1/2 INCH SCREEN AND 99% OR MORE SHALL PASS THROUGH A 3/4 INCH SCREEN. COLOR TO BE A MEDIUM BROWN WITH A WEIGHT OF 1900-2250 LBS. PER CUBIC YARD (DEPENDING ON THE MOISTURE CONTENT).

- 2. ALL SOD AND SEED AREAS TO BE PREPARED USING COMPOST AND SHARP SCREENED SAND, BY SOIL BUILDING SOLUTIONS, LIVING EARTH, OR APPROVED EQUAL. TILL SOIL AMENDMENTS INTO EXISTING SOIL TO DEPTHS PER PLANTING DETAILS (4" DEPTH MIN.). TOPSOIL SHALL BE A MIXTURE OF APPROXIMATELY 50% WEED-FREE EXISTING SOIL, 40% COMPOST, AND 10% SHARP SCREENED SAND. TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, pH RANGE OF 6.0-6.5 WITH 25% (MIN) ORGANIC MATERIAL, AND FREE OF TRASH, DEBRIS, STONES, WEEDS AND TWIGS/BRANCHES. THE PARTICLE SIZES SHALL BE SUCH THAT 98.5% OF THE TOPSOIL WILL PASS THROUGH A 1/2 INCH SCREEN AND 99% OR MORE SHALL PASS THROUGH A 3/4 INCH SCREEN. TOPSOIL SHALL BE REVIEWED/APPROVED BY OWNER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. CONTRACTOR TO SUBMIT SAMPLES IN 1 GAL. (MIN) CONTAINER.
- 3. THE CONTRACTOR SHALL REESTABLISH ANY ADDITIONAL DISTURBED AREAS NOT SHOWN ON THE PLANS WITH A FULL COVERING OF SOD OR SEED. THE CONTRACTOR SHALL PROVIDE 4" DEPTH (MIN) PREPARED TOPSOIL IN ALL AREAS TO RECEIVE SEED OR SOD AT NO ADDITIONAL COST.
- 4. TREE PLANTING PITS SHALL BE BACKFILLED WITH COMPOST BY SOIL BUILDING SOLUTIONS, LIVING EARTH OR APPROVED EQUAL AND NATIVE SOIL. THE TOP 1/3 OF EACH TREE PIT SHALL RECEIVE BACKFILL MATERIAL OF 80% WEED FREE NATIVE SOIL AND 20% COMPOST. THE BOTTOM 2/3 OF EACH TREE PIT SHALL RECEIVE BACKFILL MATERIAL OF 100% WEED FREE NATIVE SOIL.
- EXISTING SOIL USED IN PLANT BACKFILL AND TOPSOIL PREP SHALL BE REASONABLY FREE OF STONES, LIME, LUMPS OF CLAY, ROOTS AND OTHER FOREIGN MATTER. EXISTING SOIL SHALL HAVE A MINIMUM ORGANIC COMPOSITION OF 25% AND THE ACIDITY SHALL BE BETWEEN 5.0 AND 7.0 pH. CONTRACTOR SHALL SUBMIT A 1 GAL. MINIMUM SAMPLE OF THE EXISTING SOIL TO AN APPROVED TESTING FACILITY TO VERIFY COMPOSITION, ACIDITY AND ORGANIC CONTENT.

- 5. IF SOIL FAILS TO ACHIEVE THE AFOREMENTIONED pH AND ORGANIC COMPOSITION QUANTITIES, THE CONTRACTOR SHALL TILL AN ADEQUATE AMOUNT OF COMPOST IN TO THE EXISTING SOIL UNTIL IT MEETS THE REQUIREMENTS PRIOR TO COMBINING WITH OTHER SPECIFIED SOIL AMENDMENTS.
- 6. CONTRACTOR TO SUBMIT SAMPLES OF SOIL MIXTURE AND AMENDMENTS FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.
- 7. WHERE LIME STABILIZED SOIL IS ENCOUNTERED, LAWN AREAS SHALL BE EXCAVATED TO A DEPTH OF 12", PLANT BEDS SHALL BE EXCAVATED TO A DEPTH OF 24", AND TREE PITS SHALL BE EXCAVATED TO A DEPTH OF 36", AND BACKFILLED WITH CLEAN NATIVE SOIL (E.5) AND APPROVED PLANTING SOIL (E.1-4).

F. WATER

WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC.. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

*WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

*FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

ALL PLANTING BED TO BE TOP DRESSED WITH A MINIMUM OF 3" "RUSTIC CUT HARDWOOD MULCH" BY SOIL BUILDING SOLUTIONS OR LIVING EARTH (OR APPROVED EQUAL) WITH A pH RANGE OF 6.5-8.5 AND SHALL BE FREE OF MAN-MADE FOREIGN MATTER, LUMBER, TREATED MATERIALS, PALLETS, GRASS AND LEAVES. NO PARTICLE SIZE SHOULD EXCEED 3.5" IN LENGTH.

I. DIGGING AND HANDLING

- PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.
- 2. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE HANDLED BY STEMS.
- 3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS, COMPLYING WITH AMERICAN STANDARD FOR NURSERY PLANTS, CURRENT EDITION. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.
- 4. PROTECTION OF PALMS (IF APPLICABLE): ONLY A MIN. OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MIN. OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.
- 5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES, HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB BASES.

J. CONTAINER GROWN STOCK

- 1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.
- 2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.
- 3. PLANT ROOTS BOUND IN CONTAINERS ARE NOT ACCEPTABLE.
- 4. SUBSTITUTION OF NON-CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL IS OBTAINED FROM THE OWNER OR OWNER'S REPRESENTATIVE.

K. COLLECTED STOCK

WHEN THE USE OF COLLECTED STOCK IS PERMITTED AS INDICATED BY THE OWNER OR OWNER'S REPRESENTATIVE, THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY.

.. NATIVE STOCK

PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY RE-ESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

M. MATERIALS LIST

QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE

N. FINE GRADING

- 1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.
- 2. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. THIS CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.
- 3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES.

O. PLANTING PROCEDURES

- 1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.
- 2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL NATIONAL ONE CALL - 811 - TO LOCATE UTILITIES.
- 3. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED ROCK AND ROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36". CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF ROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND ADEQUATE PERCOLATION CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE.
- 4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY/GROWING SITE.
- GENERAL: COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES, METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.
- THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.
- 7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACKFILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER PERCOLATION. IF POOR PERCOLATION EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE
- 8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.
- 9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION E OF THESE SPECIFICATIONS.
- 10. TREES SHALL BE SET WITH ROOT BALL CENTERED IN PLANTING PIT WITH ROOT FLARE 2" ABOVE ADJACENT SOIL ELEVATION. SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE TOP OF ROOT BALL SHALL BE EVEN WITH TOP OF PLANTING BED. PLANTING SOIL MIXTURE SHALL BE BACKFILLED. THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING)
- 11. AMEND PINE AND OAK PLANT PITS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. ALL OTHER PLANT PITS SHALL BE AMENDED WITH ENDOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL FOR SOILNOC SRT ADVANCED MYCORRHIZAL INOCULUM (OR EQUAL) PRIOR TO INOCULATION.
- 12. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULCH. ALL BURLAP, ROPE, WIRES, BASKETS, ETC., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.
- 13. PRUNING: TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY LICENSED ARBORIST, IN ACCORDANCE WITH ANSI A-300.
- 14. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 12". REMOVE AND DISPOSE ALL DEBRIS AND MIX TO ACHIEVE SOIL MIXTURE AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER
- 15. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.
- 16. MULCHING: PROVIDE A THREE INCH (MINIMUM) LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT PLANTED UNDER THIS CONTRACT.
- 17. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

P. LAWN SODDING/ SEEDING

- 1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE. IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.
- 2. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, DEBRIS, HAVE SOIL PREPARED PER SECTION E, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.
- 3. SOIL PREPARATION: ALL SOIL TO BE PREPARED PER SECTION E

4. SODDING:

- A. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.
- B. THE SOD SHALL BE CERTIFIED TO MEET AMERICAN STANDARD FOR NURSERY STOCK SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND.
- C. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A 24 INCH STONE / MULCH STRIP SHALL BE PROVIDED - REFER TO DETAILS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.
- D. CONTRACTOR SHALL REFERENCE PLANTING SCHEDULE FOR SEEDING VARIETY AND
- E. IF SEED INSTALLATION FALLS BETWEEN SEPTEMBER 16TH AND MARCH 14TH, THE CONTRACTOR SHALL INSTALL EITHER SOD OR A COLD SEASON VARIETY SEED MIX, SUCH AS WINTER RYE. IF A COOL SEASON VARIETY MIX IS INSTALLED BETWEEN SEPTEMBER 16TH AND MARCH 14TH, THE CONTRACTOR SHALL RESEED THE AREA WITH THE ORIGINAL SPECIFIED SEED MIX PER THE PLANS AND SPECIFICATIONS BETWEEN MARCH 15TH AND SEPTEMBER 15TH.
- 1. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.

2. LAWN MAINTENANCE:

- A. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"X12") UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADING IF NECESSARY).
- CONTRACTOR RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.
- C. CONTRACTOR SHALL REESTABLISH 95% (MIN) COVERAGE FOR ALL DISTURBED AREAS OF VEGETATION WITHIN 60 DAYS OF SUBSTANTIAL COMPLETION. CONTRACTOR SHALL PROVIDE SEED AND/OR SOD THAT MATCHES THE ADJACENT LAWN AREA.

Q. CLEANUP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM-CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

R. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

S. MAINTENANCE (ALTERNATE BID ITEM)

CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON A COST-PER-MONTH BASIS.

T. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

U. WARRANTY

- 1. THE LIFE AND SATISFACTORY CONDITION OF ALL 1 GALLON AND LARGER PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.
- 2. THE LIFE AND SATISFACTORY CONDITION OF ALL OTHER PLANT MATERIAL (INCLUDING SOD) INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.
- 3. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING", AT NO ADDITIONAL COST TO THE OWNER.
- 4. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MAINTENANCE, THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

PRELIMINARY FOR REVIEW ONLY ot for construction or permit purpose Kimley » Horn P.L.A. KRISTINA N. MALEK ..A. No. 2988 Date SEPT. 2020

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