



# LANDSCAPE NOTES

- SITE PREP**
- LANDSCAPE CONTRACTOR TO REFERENCE CIVIL ENGINEERING DRAWINGS REGARDING DRAINAGE AND EROSION CONTROL NOTES, DETAILS AND PROCEDURES.
  - ALL WORK SHALL CONFORM TO LOCAL MUNICIPAL CODES. ALL WORK SHALL BE IN ACCORDANCE WITH OSHA CODES AND STANDARDS. NOTHING INDICATED ON THE LANDSCAPE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS.
  - ALL UTILITY EASEMENTS SHALL REMAIN UNOBSTRUCTED AND FULLY ACCESSIBLE ALONG THEIR ENTIRE LENGTH FOR USE OF MAINTENANCE EQUIPMENT ENTRY.
  - SEE CIVIL ENGINEER'S DRAWINGS FOR GRADING AND DRAINAGE, EROSION CONTROL, PAVING AND SLEEVES, UTILITIES, AND OTHER ENGINEERED DETAILS.
  - CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
  - A PRE-CONSTRUCTION MEETING MAY BE REQUIRED BETWEEN THE LANDSCAPE CONTRACTOR, PROPERTY OWNER AND LANDSCAPE ARCHITECT BEFORE START OF CONSTRUCTION.
  - CONTRACTOR SHALL MINIMIZE ALL DISTURBANCE TO NON-IMPACTED AREAS.
  - SITE MUST BE CLEAN AND FREE OF ALL CONSTRUCTION DEBRIS BEFORE FINAL ACCEPTANCE.
  - CONTRACTOR IS RESPONSIBLE FOR SETUP OF BARRICADES, WARNING SIGNAGE, OR OTHER PROTECTIVE DEVICES IF ANY EXCAVATIONS ARE LEFT EXPOSED AFTER ON-SITE WORK HOURS.
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACQUIRE ALL NECESSARY PERMITS FOR CONSTRUCTION WORK WITHIN THE LOCAL JURISDICTION. A SEPARATE LANDSCAPE CONSTRUCTION PERMIT IS REQUIRED AND USE AND SALES TAX WILL BE COLLECTED. WATER CONNECTION FEES ARE TO BE PAID PRIOR TO THE METER SETTING. A BACK FLOW PERMIT AND INSPECTION IS REQUIRED PRIOR TO THE METER BEING INSTALLED IN THE VAULT.
  - TOPSOIL IS TO BE STRIPPED & STOCKPILED ON-SITE FOR LATER USE.
  - CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING OR NEW SITE IMPROVEMENTS DISTURBED OR DAMAGED DUE TO THEIR OPERATIONS. DAMAGED MATERIALS SHALL BE REPLACED/REPAIRED TO ITS PRIOR CONDITION.
  - LOCATE ALL UTILITIES PRIOR TO ANY DIGGING OR LANDSCAPE PLANTING. CONTRACTOR SHALL HAND DIG ALL PLANTING PITS ADJACENT TO UTILITIES. IF UTILITIES ARE DAMAGED, REPAIRS SHALL BE MADE AT THE CONTRACTOR'S EXPENSE. PRIOR TO INSTALLATION OF PLANT MATERIALS, AREAS THAT HAVE BEEN COMPACTED OR DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE THOROUGHLY LOOSENEED & AMENDED.
  - ALL LANDSCAPE AREAS SHALL RECEIVE SOIL AMENDMENT ROTOTILLED AT A MIN. 8" DEPTH AT A RATE OF 4 CUBIC YARDS PER 1,000 SF.
  - CONTRACTOR SHALL SUBMIT SOIL AMENDMENT SPECIFICATIONS FOR APPROVAL PRIOR TO INSTALLATION.
  - THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING POSITIVE DRAINAGE EXISTS IN ALL LANDSCAPE AREAS. SURFACE DRAINAGE ON LANDSCAPE AREAS SHALL NOT FLOW TOWARD STRUCTURES AND FOUNDATIONS. MAINTAIN SLOPE AWAY FROM FOUNDATIONS PER THE GEOTECH REPORT RECOMMENDATIONS. ALL LANDSCAPE AREAS BETWEEN WALKS AND CURBS SHALL DRAIN FREELY TO THE CURB UNLESS OTHERWISE IDENTIFIED ON THE GRADING PLAN. IN NO CASE SHALL THE GRADE, TURF THATCH, OR OTHER LANDSCAPE MATERIALS DAM WATER AGAINST WALKS. MINIMUM SLOPES ON LANDSCAPE AREAS SHALL BE 2%. MAXIMUM SLOPE SHALL BE 25% UNLESS SPECIFICALLY IDENTIFIED ON THE PLANS OR APPROVED BY LANDSCAPE ARCHITECT.

## TURF, PLANT & GROUND COVER MATERIAL

- ANY SUBSTITUTION OR ALTERATION OF PLANT OR LANDSCAPE MATERIALS IN LOCATION, SPECIES, TYPE, ETC. SHALL BE ALLOWED ONLY WITH APPROVAL OF THE LANDSCAPE ARCHITECT. ANY MODIFICATIONS TO THE PLAN WILL REQUIRE TOWN OF PARKER APPROVAL. OVERALL PLANT QUANTITY AND QUALITY TO BE CONSISTENT WITH APPROVED PLANS.
- ALL PLANT MATERIALS SHALL BE IN ACCORDANCE WITH AAN SPECIFICATIONS FOR NUMBER ONE GRADE.
- PROPOSED TREE LOCATIONS SHALL HAVE A MINIMUM SEPARATION OF 4' BETWEEN WATER OR SEWER SERVICE LINES AND A MINIMUM SEPARATION OF 10' BETWEEN WATER OR SEWER MAIN LINES. PROPOSED TREE LOCATIONS SHALL HAVE A MINIMUM SEPARATION OF 4' BETWEEN GAS LINES.
- ALL PROPOSED IRRIGATED TURF AREAS SHALL BE SODDED WITH THE BLEND SPECIFIED IN THESE PLANS. SOD SHALL BE LAID ON A FIRM BED WITH TIGHT JOINTS AND WITHOUT VOIDS.
- TREE WRAP TO BE APPLIED IN LATE FALL AFTER INSTALLATION, AND REMOVED THE FOLLOWING SPRING. REMOVE ANY STRING OR WIRE AROUND TREE TRUNKS AT TIME OF INSTALLATION.
- CONTRACTOR SHALL REPORT ANY DISCREPANCY FOUND IN THE FIELD VERSUS THE LANDSCAPE DRAWINGS IMMEDIATELY TO THE LANDSCAPE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CITY/COUNTY PRIOR TO ANY CONSTRUCTION OR DEMOLITION ACTIVITY. FAILURE TO MAKE SUCH CONFLICTS KNOWN WILL RESULT IN THE CONTRACTOR'S LIABILITY TO RELOCATE AND REPAIR.
- MAINTAIN A MINIMUM THREE FOOT CLEARANCE AROUND FIRE HYDRANTS, FIRE DEPARTMENT CONNECTIONS OR OTHER FIRE SERVICE EQUIPMENT. NO TREES OR SHRUBS WILL BE ALLOWED WITHIN THIS AREA.
- TREES SHALL NOT BE LOCATED IN DRAINAGE SWALES, AREAS OR UTILITY EASEMENTS. CONTACT LANDSCAPE ARCHITECT FOR RELOCATION OF PLANTS IN QUESTIONABLE AREAS PRIOR TO INSTALLATION.
- THE CENTER OF EVERGREEN TREES SHALL NOT BE PLACED CLOSER THAN 8' AND THE CENTER OF ORNAMENTAL TREES CLOSER THAN 6' FROM A SIDEWALK, STREET OR DRIVE LANE. EVERGREEN TREES SHALL NOT BE LOCATED ANY CLOSER THAN 15' FROM IRRIGATION ROTOR HEADS. NOTIFY LANDSCAPE ARCHITECT IF TREE LOCATIONS CONFLICT WITH THESE STANDARDS FOR FURTHER DIRECTION.
- ALL EVERGREEN TREES SHALL BE FULLY BRANCHED TO THE GROUND AND SHALL NOT EXHIBIT SIGNS OF ACCELERATED GROWTH AS DETERMINED BY LANDSCAPE ARCHITECT.
- NO PLANT MATERIAL SHALL BE PLANTED WITHIN 10' OF ANY EXISTING OR PROPOSED ELECTRICAL SWITCHGEARS, TRANSFORMERS OR OTHER ELECTRICAL UTILITY EQUIPMENT. PLANT MATERIAL MAY BE FIELD ADJUSTED TO PROVIDE THE 10' CLEAR SPACE AND ACCESSIBILITY REQUIRED BY THE UTILITIES' OWNER/OPERATOR.
- ANY TREES INSTALLED ABOVE RETAINING WALLS UTILIZING GEO-GRID MUST BE DUG TO PROTECT GEO-GRID. IF GEO-GRID MUST BE CUT TO INSTALL TREES, APPROVAL MUST BE GIVEN BY LANDSCAPE ARCHITECT PRIOR TO DOING WORK.
- PROPOSED PLANT SPECIES MAY BE SUBJECT TO CHANGE PENDING COMMERCIAL AVAILABILITY AT TIME OF CONSTRUCTION. ALL SPECIES SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. OVERALL PLANT QUANTITIES & SIZES SHALL REMAIN AS INDICATED ON THE PLANT SCHEDULE. CONTRACTOR SHALL VERIFY THAT ANY SUBSTITUTED PLANT SPECIES ARE ACCEPTABLE TO THE LOCAL MUNICIPALITY OR GOVERNING JURISDICTIONS.
- IF SPECIFIED PLANTS ARE NOT COMMERCIALY AVAILABLE AT TIME OF CONSTRUCTION/INSTALLATION, CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT FOR A SUBSTITUTION.

## PLANTING BEDS

- ALL PROPOSED PLANTING BEDS SHALL CONTAIN THE SPECIFIED MULCH. ROCK MULCH BEDS SHALL INCLUDE MIRAFI WEED BARRIER FABRIC OR EQUAL SECURED WITH PINS. OVERLAP FABRIC MIN. 24" AT EDGES. NO FABRIC IS REQUIRED IN WOOD MULCH AREAS.
- ROCK MULCH AROUND VEGETATION SHALL CONTAIN 1 1/2"-2" DIA. ROUND RIVER COBBLE, TAN COLOR, 4" DEPTH.
- WOOD MULCH SHALL BE 'GORILLA HAIR' OR EQUAL SHREDDED CEDAR MULCH, 4" DEPTH.
- EDGING BETWEEN TURF AND PLANTING BEDS SHALL BE 12-GAUGE, GREEN COLOR, ROLLED-TOP, STEEL EDGING OR EQUIVALENT. ANY NO EDGING IS REQUIRED AGAINST HARDSCAPE/WALK AREAS OR AT TREE RING EDGES. EDGING SHALL BE INSTALLED TO AVOID IMPEDING DRAINAGE. RE: DETAILS FOR INSTALLATION IN LOW DRAINAGE AREAS.
- FOR TREES NOT IN PLANTING BEDS, ALLOW A 6'-0" DIAMETER BED (TREE RING) WITHOUT SOD AROUND ROOT COLLAR. APPLY SPECIFIED WOOD MULCH & DEPTH AROUND COLLAR FOLLOWING SOD INSTALLATION. NO FABRIC OR STEEL EDGER IS NECESSARY WITHIN TREE RINGS IN NATIVE AREAS. TREES IN PLANTING BEDS SHALL NOT HAVE WEED BARRIER INSTALLED WITHIN 6' OF THEIR TRUNKS.

## HARDSCAPE

- REFER TO SITE PLANS & DETAILS FOR SPECIALTY CONCRETE LOCATIONS WHERE APPLICABLE.

## IRRIGATION

- PERMANENT UNDERGROUND IRRIGATION IS REQUIRED IN ALL LANDSCAPE AREAS. 2) TURF AREAS ARE ZONED SEPARATELY FROM BED AREAS. 3) CONTROLLER TO INCLUDE RAIN SHUT-OFF. 4) HYDROZONES WILL BE ON SEPARATE IRRIGATION ZONES ACCORDING TO WATER-DEMAND.
- REFER TO IRRIGATION PLANS FOR LIMITS AND TYPES OF IRRIGATION DESIGNED FOR THE LANDSCAPE. IN NO CASE SHALL IRRIGATION BE EMITTED WITHIN THE MINIMUM STANDARDS FROM BUILDING OR WALL FOUNDATIONS AS STIPULATED IN THE GEOTECHNICAL REPORT. ALL IRRIGATIONS DISTRIBUTION LINES, HEADS AND EMITTERS SHALL BE KEPT OUTSIDE THE MINIMUM DISTANCE AWAY FROM ALL BUILDING AND WALL FOUNDATIONS AS STIPULATED IN THE GEOTECH REPORT.
- TURF & IRRIGATED NATIVE AREAS (WHERE APPLICABLE) SHALL BE IRRIGATED BY AUTOMATIC POP-UP SPRAY SYSTEM. SHRUBS & PLANTING BEDS SHALL BE IRRIGATED WITH DRIP/BUBBLER SYSTEM.
- ALL TREES & SHRUBS OUTSIDE OF BEDS WITHIN NATIVE AREAS SHALL BE DRIP IRRIGATED. ALL IRRIGATION SHALL BE AN AUTOMATIC UNDERGROUND SYSTEM.
- REFER TO IRRIGATION PLANS FOR DETAILED INFORMATION.

## MAINTENANCE

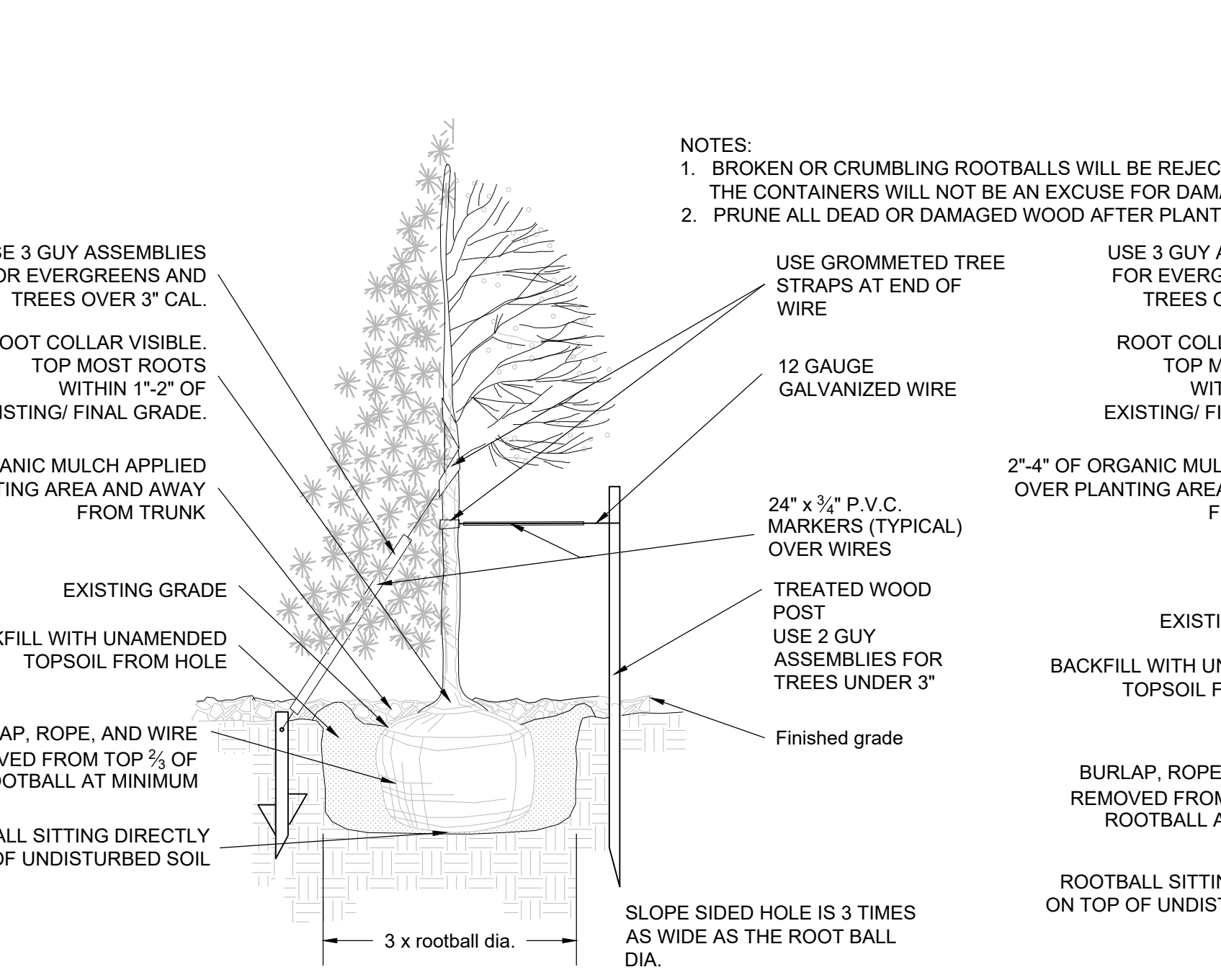
- CONTRACTOR IS TO MAINTAIN ALL PLANTINGS AND ASSOCIATED IRRIGATION SYSTEM INSTALLED UNDER THIS CONTRACT UNTIL FINAL ACCEPTANCE BY THE CITY AND TURNOVER TO OWNER. THIS MAINTENANCE SHALL INCLUDE PROPER WATERING OF ALL PLANTS, AND MOWING OF TURF/SEED AREAS IF NECESSARY.
- SITE MUST BE CLEAN AND FREE OF ALL CONSTRUCTION DEBRIS BEFORE FINAL ACCEPTANCE.
- ALL PLANT MATERIAL WILL BE COVERED BY A WARRANTY PERIOD. THE CONTRACTOR SHALL REPLACE DEAD, UNHEALTHY, OR OTHERWISE UNSATISFACTORY MATERIAL THROUGHOUT THIS PERIOD. THE WARRANTY SHALL BEGIN UPON FINAL ACCEPTANCE OF THE JOB.
- LANDSCAPING SHALL BE PLANTED AND MAINTAINED IN A LIVING CONDITION BY THE OWNER OR ASSIGNS OR OWNERS ASSOCIATION. TREES AND SHRUBS MUST HAVE A 100% ONGOING SURVIVAL RATE. ANY DEAD OR DAMAGED PLANT MATERIAL (AS DETERMINED BY THE LOCAL MUNICIPALITY) SHALL BE REPLACED. NON-LIVING GROUND COVERS, SUCH AS ROCK OR MULCH, MUST BE 100% INTACT AFTER ONE YEAR AND 100% INTACT THEREAFTER.
- LANDSCAPE AREAS WITHIN THE PROPERTY AND WITHIN THE ADJACENT RIGHT OF WAY SHALL BE MAINTAINED BY THE PROPERTY OWNER.

# FINE GRADING NOTES

- SLOPES NOT TO EXCEED 4:1 MAX. - 1% MIN.
- SATISFACTORY SOILS: ASTM D 2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, SW, SP, AND SM, OR A COMBINATION OF THESE GROUP SYMBOLS; FREE OF ROCK OR GRAVEL LARGER THAN 3 INCHES (75 MM) IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATTER.
- STRIP TOPSOIL TO WHATEVER DEPTHS ARE ENCOUNTERED IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL OR OTHER WASTE MATERIALS.
- STRIP EXISTING SURFACES OF UNSUITABLE TOPSOIL, INCLUDING TRASH, DEBRIS, WEEDS, ROOTS, AND OTHER WASTE MATERIALS.
- STOCKPILE TOPSOIL MATERIALS ON-SITE WITHOUT INTERMINGLING WITH SUBSOIL.
- REMOVE EXISTING VEGETATION, DEBRIS, UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE BEFORE PLACING FILLS.
- PLOW, SCARIFY, BENCH, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING MATERIAL.
- PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED CROSS-SECTIONS, ELEVATIONS AND GRADES WITH SATISFACTORY SOIL MATERIAL UNFORMLY GRADE AREAS TO A SMOOTH SURFACE, FREE FROM IRREGULAR SURFACE CHANGES. COMPLY WITH COMPACTION REQUIREMENTS AND GRADE TO CROSS SECTIONS, LINES, AND ELEVATIONS INDICATED.
- PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT EXISTING GRADES AND NEW GRADES.
- CUT OUT SOFT SPOTS, FILL LOW SPOTS AND TRIM HIGH SPOTS TO COMPLY WITH REQUIRED SURFACE TOLERANCES.
- SITE GRADING: SLOPE GRADES TO DIRECT WATER AWAY FROM ADJACENT STRUCTURES AND TO PREVENT PONDING. FINISH SUBGRADES TO REQUIRED ELEVATIONS WITHIN THE FOLLOWING TOLERANCES:
  - A. AT LOCATIONS DESIGNATED FOR LAWN OR UNPAVED AREAS: PLUS OR MINUS 1 INCH (25 MM).
  - B. AT DESIGNATED PAVEMENT LOCATIONS: PLUS OR MINUS 1/2 INCH (13 MM).
- GRADING ON SLOPES: INSTALL EROSION STABILIZATION FABRIC PER MANUFACTURERS RECOMMENDATIONS ON SLOPED SURFACES EQUAL TO OR GREATER THAN A RATIO OF 1) VERTICAL FOOT TO 3) HORIZONTAL FEET.
- CONTRACTOR WILL ENGAGE A QUALIFIED INDEPENDENT GEOTECHNICAL ENGINEERING TESTING AGENCY TO PERFORM FIELD QUALITY-CONTROL TESTING.
- PROTECT NEWLY GRADED AREAS FROM TRAFFIC, FREEZING, AND EROSION. KEEP FREE OF TRASH AND DEBRIS.
- REPAIR AND REESTABLISH GRADES TO SPECIFIED TOLERANCES WHERE COMPLETED OR PARTIALLY COMPLETED SURFACES BECOME ERODED, ROTTED, SETTLED, OR WHERE THEY LOSE COMPACTION DUE TO SUBSEQUENT CONSTRUCTION OPERATIONS OR WEATHER CONDITIONS.
- WHERE SETTILING OCCURS BEFORE PROJECT CORRECTION PERIOD ELAPSES, REMOVE FINISHED SURFACE GRADING, BACKFILL WITH ADDITIONAL SOIL MATERIAL, COMPACT, AND RECONSTRUCT SURFACE GRADING.
- TRANSPORT SURPLUS SATISFACTORY SOIL TO DESIGNATED STORAGE AREAS ON OWNERS PROPERTY. STOCKPILE OR SPREAD SOIL AS DIRECTED BY OWNER.

# SEEDING ESTABLISHMENT NOTES:

- SEED SHALL BE LABELED IN ACCORDANCE WITH THE U.S. DEPARTMENT OF AGRICULTURE, RULES AND REGULATIONS AND FEDERAL SEED ACT. SEED SHALL BE EQUAL IN QUALITY TO THE STANDARDS FOR "CERTIFIED SEED" AND SHALL BE FURNISHED IN SEALED, UNOPENED, STANDARD CONTAINERS. SEED SHALL BE FRESH, CLEAN, PURE LIVE SEED WITH THE VARIETIES MIXED IN PROPORTIONS BY WEIGHT SHOWN AND MEETING THE MINIMUM PERCENTAGES OF PURITY AND GERMINATION SPECIFIED.
  - 2) SEED SHALL BE APPLIED AT A RATE SHOWN BY MIX. SEED SHALL PASS GOVERNMENT TEST OF GERMINATION OF EIGHTY PERCENT (80%) AND FOR PURITY OF NINETY PERCENT (90%). THE PURE LIVE SEED SHALL NOT BE LESS THAN SIXTY SEVEN ON ONE-HALF PERCENT (67.5%) FOR ANY ONE VARIETY, WITH THE AVERAGE OF THE MIXTURE, NO LESS THAN SEVENTY TWO PERCENT (72%). ALL SEED SHALL BE FREE OF POA ANNUA AND ALL NOXIOUS OBJECTIONABLE WEEDS WITH A MAXIMUM CROP OF ONE-TENTH PERCENT (0.1%) AND MAXIMUM WEED OF ONE TENTH PERCENT (0.1%). IF SEED AVAILABLE ON THE MARKET DOES NOT MEET THE MINIMUM PURITY AND GERMINATION PERCENTAGES SPECIFIED, THE CONTRACTOR MUST COMPENSATE BY FURNISHING SUFFICIENT ADDITIONAL SEED TO EQUAL THE SPECIFIED PRODUCT.
- SPREAD ORGANIC SOIL AMENDMENT MATERIALS, AT A RATE OF 3 CY. PER 1000 SQUARE FEET, EVENLY OVER ENTIRE DISTURBED AREA AND THOROUGHLY INCORPORATE, BY MIXING, ROTOTILLING OR FINELY DISKING (MAX. 1" SIZE), TO A DEPTH OF SIX INCHES. ALL STONES, STICKS AND DEBRIS BROUGHT TO THE SURFACE SHALL BE REMOVED FROM THE SITE PROPERLY DISPOSED OF BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER. ALL SEED AREAS WILL THEN BE RAKED AND ROLLED TO THE DESIRED FINISHED GRADES WITH GENTLY SLOPING SURFACES TO ADEQUATELY DRAIN ALL SURFACE WATER RUNOFF. THE FINISHED SURFACE SHALL BE EVEN AND UNIFORM AND NO DIRT CLODS LARGER THAN ONE INCH (1") IN DIAMETER SHALL APPEAR ON THE SURFACE. THE SOIL SURFACE SHALL BE SMOOTH, LOOSE AND OF FINE TEXTURE, AND BE FLUSH WITH ALL PAVING EDGES.
- CONTRACTOR SHALL USE APPROPRIATE MECHANICAL POWER (BRILLION SHERRER OR EQUAL) TO DRILL THE SEED INTO THE SEEDBED WHEREVER POSSIBLE. SEED SHALL BE SOWN TO A DEPTH OF ONE-HALF INCH (1/2"). DRILLING SHALL BE DONE IN 2 SEPARATE APPLICATIONS CROSSING THE AREA AT RIGHT ANGLES TO ONE ANOTHER TO GUARANTEE PROPER COVERAGE. ON SLOPING LAND, SEEDING OPERATIONS SHALL FOLLOW THE GENERAL CONTOUR. AREAS TOO SMALL TO DRILL SEED MAY BE BROADCAST BY HAND AND APPLICATION RATES SHALL BE DOUBLED. SEEDING OF ANY KIND WILL NOT BE PERMITTED WHEN WIND VELOCITY IS SUCH AS TO PREVENT UNIFORM SEED DISTRIBUTION. NO APPLICATION SHALL TAKE PLACE WITH THE PRESENCE OF FREE SURFACE WATER OR WHEN GROUND IS FROZEN OR CANNOT BE TILLED. ADDITIONAL TOPICAL OVER SEEDING MAY BE APPLIED TO PREVIOUSLY SEEDED AREAS IN ORDER TO ACHIEVE ADEQUATE GROUND COVER AND EROSION RESISTANCE.
- SEEDED AREAS MAY REQUIRE TEMPORARY ABOVE GROUND SPRAY IRRIGATION UNTIL ESTABLISHMENT. IRRIGATION SHALL BE REMOVED UPON ACCEPTANCE BY THE CITY. WHERE STEEP SLOPES OCCUR, LANDSCAPE CONTRACTOR MAY REQUIRE VARIOUS METHODS OF TEMPORARY IRRIGATION TO ACHIEVE SEED ESTABLISHMENT. SUCH METHODS SHALL BE IN COMPLIANCE WITH THE PROJECT'S EROSION CONTROL METHODS, BMP'S AND ALL CITY CODES AND REQUIREMENTS.
- MULCH WILL BE HYDRO MULCH. HYDRO MULCH SHALL BE CONWED 200 AND TACKIFIER OR APPROVED SUBSTITUTE MEETING THE FOLLOWING REQUIREMENTS:
  - I. VIRGIN WOOD CELLULOSE FIBER. MAY NOT CONTAIN ANY SUBSTANCE OR FIBER THAT MAY INHIBIT GERMINATION OF GROWTH OF GRASS SEEDS AND PLANTS.
  - II. DYE TO APPROPRIATE COLOR TO ALLOW PROPER METERING OF APPLICATION.
  - III. FIBERS MUST HAVE ABILITY TO BECOME EVENLY DISPERSED AND SUSPENDED WHEN AGITATED IN WATER.
  - IV. WHEN SPRAYED UNIFORMLY ON SURFACE OF SOIL, FIBERS SHALL FORM BLOTTER - LIKE GROUND COVER THAT READILY ABSORBS WATER, AND ALLOWS INFILTRATION TO UNDERLYING SOIL.
  - V. WEIGHT SPECIFICATIONS SHALL REFER ONLY TO AIR DRY WEIGHT OF FIBERS WITH A STANDARD MOISTURE CONTENT OF TEN PERCENT (10%).
  - VI. MULCH MATERIAL SHALL BE SUPPLIED IN CONTAINERS NOT WEIGHING OVER ONE HUNDRED (100) LBS AND SHOWING AIR DRY WEIGHT OF FIBERS.
  - VII. ORGANIC TACKIFIER MAY BE SUPPLIED WITH HYDROMULCH FIBERS OR BE ADDED AT A LATER TIME.



# 1 TREE PLANTING

NOT TO SCALE

# PLANT & GROUND COVER LIST

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL / SIZE	HT X SD	IRR_ZONE
HAC	2	CELTIS OCCIDENTALIS	COMMON HACKBERRY	8 & B	2.5" CAL	50' X 30'	LOW
GS	4	GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER' TM	SHADEMASTER LOCUST	8 & B	2.5" CAL	45' X 50'	LOW
GI	4	GLEDITSIA TRIACANTHOS 'IMPERIAL'	IMPERIAL HONEYLOCUST	8 & B	2.5" CAL	45' X 45'	LOW
GK	17	GYMNOCADUS DIOICA	KENTUCKY COFFEE TREE	8 & B	2.5" CAL	45' X 50'	LOW
OY	6	Ostrya virginiana	AMERICAN HORNEBUSH	8 & B	2.5" CAL	30' X 30'	MODERATE
PO	7	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	8 & B	2.5" CAL	80' X 80'	MODERATE
OB	5	QUERCUS BICOLOR	SWAMP WHITE OAK	8 & B	2.5" CAL	50' X 50'	LOW
QM2	8	QUERCUS MUEHLENBERGII	CHINKAPIN OAK	8 & B	2.5" CAL	50' X 50'	LOW
RAL	11	Tilia americana 'REDMOND'	REDMOND AMERICAN LINDEN	8 & B	2.5" CAL	50' X 30'	MODERATE
TG2	3	Tilia cordata 'GLENLEVEN'	GLENLEVEN LITTLELEAF LINDEN	8 & B	2.5" CAL	60' X 50'	LOW-MOD
UT	2	ULMUS AMERICANA 'PRINCETON'	AMERICAN ELM	8 & B	2.5" CAL	50' X 40'	MODERATE

GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT
	24,163 SF	ENVIROTURF	ENVIROTURF	SOD
	1,648 SF	ROCK MULCH GREY, 2" DIA. COBBLE 3" DEPTH, RE. LDSCP NOTES	ROCK MULCH GREY, 2" DIA. COBBLE	MULCH

\* TREES CANOPIES WILL BE NO LONGER THAN 8 FEET WITHIN THE SIGHT TRIANGLE

## SOD MIXES

'ENVIROTURF' BY TURF MASTERS, LLC.

## SEED MIXES

TOWN OF PARKER SEED MIX 1		SEED MIX 2	
COMMON NAME	PERCENTAGE	COMMON NAME	PERCENTAGE
CANADA WILDRYE	20%	SLENDER WHEATGRASS	22%
CRESTED WHEATGRASS	15%	SODAR STREAMBANK WHEATGRASS	18%
SLENDER WHEATGRASS	15%	ARIZONA FESCUE	13%
ANNUAL RYEGRASS	10%	BLUE GRAMA	13%
SHEEP FESCUE	10%	BUFFALO GRAMA	12%
BIG BLUESTEM	10%	BARLEY OR OATS	12%
SIDE-OATS GRAMA	10%	SPIKE MUHLY	5%
CANADA BLUEGRASS	5%	INDIAN RICEGRASS	5%
BLUE GRAMA	5%		

## SEEDING RATE

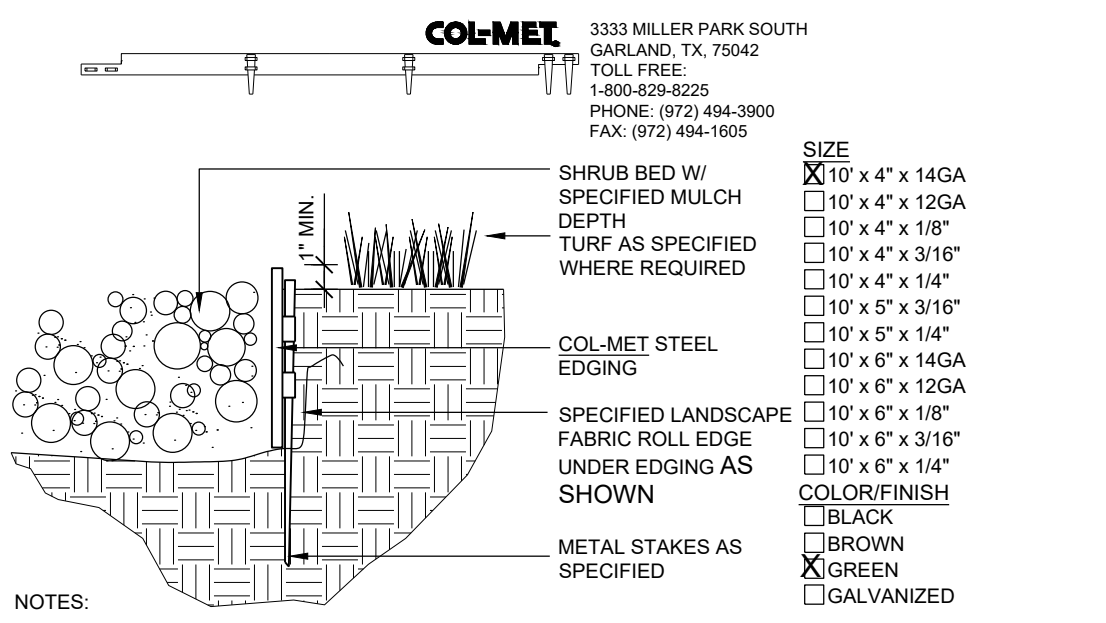
DRILLED: 25 LBS./AC.  
BROADCAST: 50 LBS./AC.

## SEEDING RATE

DRILLED: 25 LBS./AC.  
BROADCAST: 50 LBS./AC.

## WEED MANAGEMENT

BEFORE SEEDING, REMOVE EXISTING WEEDS BY PULLING, TILLING UNDER AND/OR APPLYING A GLYPHOSATE HERBICIDE SUCH AS ROUNDUP®, OR BY A COMBINATION OF THESE METHODS. FOR ADDITIONAL WEED CONTROL, AFTER SITE PREPARATION, A SOIL FUMIGANT MAY BE USED, OR THE AREA MAY BE IRRIGATED TO ENCOURAGE WEED GROWTH AND THEN SPRAYED WITH A GENERAL HERBICIDE. IN VERY WEEDY AREAS, THE FOLLOWING METHOD IS SUGGESTED: (1) TILL SOIL OR SPRAY VEGETATION WITH ROUNDUP®, WHEN USING AN HERBICIDE, ALLOW VEGETATION TO DIE, THEN RAKE OUT THE DEAD DEBRIS. IF PERENNIAL WEEDS SUCH AS BINDWEED ARE PRESENT, USING AN HERBICIDE IS MORE EFFECTIVE THAN TILLING. (2) IRRIGATE TO ENCOURAGE GERMINATION OF WEED SEEDS NEAR THE SURFACE. MOST SEEDS WILL GERMINATE WITHIN TWO WEEKS IF CONSISTENT MOISTURE IS AVAILABLE. DO NOT TILL THE SOIL AGAIN BECAUSE THIS WILL BRING EVEN MORE WEED SEEDS UP TO THE SURFACE. (3) SPRAY SOIL NEW GROWTH WITH ROUNDUP®. (4) AFTER RAKING OUT DEAD VEGETATION ALLOW SOIL TO RECOVER FOR 4 WEEKS BEFORE PLANTING SEE. A RECOVERY PERIOD OF THIS DURATION IS ADVISABLE BECAUSE EXTENSIVE USE OF GLYPHOSATE HERBICIDES MAY CAUSE A DELAY IN GERMINATION AND IN THE VIGOROUS GROWTH OF SEEDLINGS. ONCE THE SEEDS HAVE GERMINATED, FURTHER WEED CONTROL IS USUALLY NECESSARY. IF PRACTICAL, PULL ALL WEEDS AS SOON AS THEY CAN BE IDENTIFIED. OTHER SUCCESSFUL TECHNIQUES ARE SPOT-SPRAYING WITH A GENERAL HERBICIDE OR SELECTIVELY CUTTING WEEDS WITH A SPRAY TRIMMER. BE SURE TO REMOVE WEEDS BEFORE THEY RESEED. ONCE ESTABLISHED, NATIVE AREAS MAY BE MOWED TWICE A SEASON OR AS REQUIRED TO MINIMIZE WEED GROWTH. FURTHER MOWING ADJACENT TO ROADWAYS AND PARK AREAS MAY BE REQUIRED AS SEASONAL DROUGHT AND FIRE CONDITIONS MAY DICTATE.



- NOTES:**
- SET ALL EDGING 1" ABOVE FINISH GRADE AS SHOWN.
  - EDGING SHALL ABUT ALL CONCRETE CURBS AND WALKS PERPENDICULAR, AND FLUSH W/ GRADES OF CONCRETE.
  - INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
  - FOR PRODUCT ORDERING, DIVIDE NUMBER OF FEET NEEDED BY 9.33 TO OBTAIN THE NUMBER OF 10' PkGS NEEDED.

## 2 STEEL EDGER

NOT TO SCALE

- NOTES:**
- ALL WORK TO BE DONE AT TIME OF PLANTING
  - PEEL BACK ONLY TOP OF BURLAP REQUIRED TO PERFORM WORK. REPLACE BURLAP BEFORE MOVING TREE INTO PLANTING PIT. DO NOT REMOVE WIRE BASKET UNTIL INSIDE PLANTING PIT.
  - MEASURE NEW HEIGHT OF ROOTBALL AND DIG PLANTING PIT SO FINAL TOP ROOTBALL GRADE IS 3" ABOVE FINAL GRADE SURROUNDING BALL.
  - EXCAVATE PLANTING HOLES WITH SLOPING SIDES. MAKE EXCAVATIONS AT LEAST THREE TIMES AS WIDE AS THE ROOT BALL DIAMETER AND NO DEEPER THAN THE DISTANCE FROM THE TOP MOST ROOTS IN THE ROOT BALL TO THE BOTTOM OF THE ROOT BALL TO ALLOW FOR SETTILING. DO NOT DISTURB SOIL AT BOTTOM OF PLANTING HOLES, BUT DO SCORE THE SIDES OF THE PLANTING HOLE. THE PLANTING AREA SHALL BE LOOSENEED AND AERATED AT LEAST THREE TIMES THE DIAMETER OF THE ROOT BALL. BACKFILL SHALL CONSIST OF EXISTING SITE TOPSOIL - NO AMENDMENTS SHALL BE USED UNLESS OTHERWISE SPECIFIED.
  - TREES SHALL BE PLANTED WITH THE ROOT COLLAR/FLARE VISIBLE ABOVE GRADE AND TWO OR MORE STRUCTURAL ROOTS LOCATED WITHIN THE TOP 1" TO 2" OF THE ROOT BALL FINISHED GRADE MEASURED 3" TO 4" FROM TRUNK. THIS INCLUDES TREES THAT ARE SET ON SLOPES (SEE SLOPE PLANTING DETAIL). TREES THAT DO NOT HAVE A VISIBLE ROOT COLLAR SHALL BE REJECTED. DO NOT COVER THE ROOT BALL WITH SOIL.
  - WHEN ROOT BALL WILL REMAIN INTACT, CUT OFF BOTTOM 1/2 OF WIRE BASKET BEFORE PLACING TREE IN HOLE. CUT OFF REMAINDER OF BASKET AFTER TREE IS SET IN HOLE. REMOVE BASKET COMPLETELY. AT A MINIMUM, THE TOP 2/3 OF THE BURLAP AND BASKET SHALL BE REMOVED FROM THE ROOT BALL ON ALL TREES. REMOVE ALL NYLON TIES, TWINE, ROPE AND BURLAP. REMOVE UNNECESSARY PACKING MATERIAL. FORM SOIL INTO A 3" TO 5" TALL WATERING RING (SAUCER) AROUND PLANTING AREA. THIS IS NOT NECESSARY IN IRRIGATED TURF AREAS. APPLY 2" TO 4" DEPTH OF SPECIFIED MULCH OVER PLANTING AREA AND INSIDE SAUCERS, AWAY FROM TRUNK. STAKING AND GUYING OF TREES IS OPTIONAL. IN MOST PLANTING SITUATIONS, IN AREAS OF EXTREME WINDS OR ON STEEP SLOPES, STAKING MAY BE REQUIRED TO STABILIZE TREES. STAKING AND GUYING MUST BE REMOVED WITHIN 1 YEAR OF PLANTING DATE.
  - TREE WRAP IS NOT TO BE USED ON ANY NEW PLANTINGS, EXCEPT IN LATE FALL PLANTING SITUATIONS AND ONLY THEN AFTER CONSULTATION WITH THE TOWN ARBORIST.
  - RESETTING OF IMPROPERLY PLANTED TREES WILL ONLY BE ALLOWED IF IT IS DETERMINED THAT DOING SO WILL IN NO WAY COMPROMISE THE ROOT BALL, AND SHALL ONLY BE DONE WITH APPROVAL OF THE TOWN ARBORIST.

Prepared For

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TRAILS AT CROWFOOT  
FILING NO. 8  
PARKER, COLORADO  
FINAL LANDSCAPE PLANS

Drawn by: JWI, BEM, GG  
Checked by: PCS STAFF  
Submittal Date: 12.22.2017  
Date: 03.07.2018



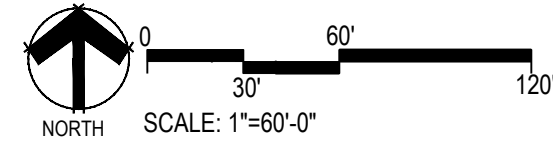
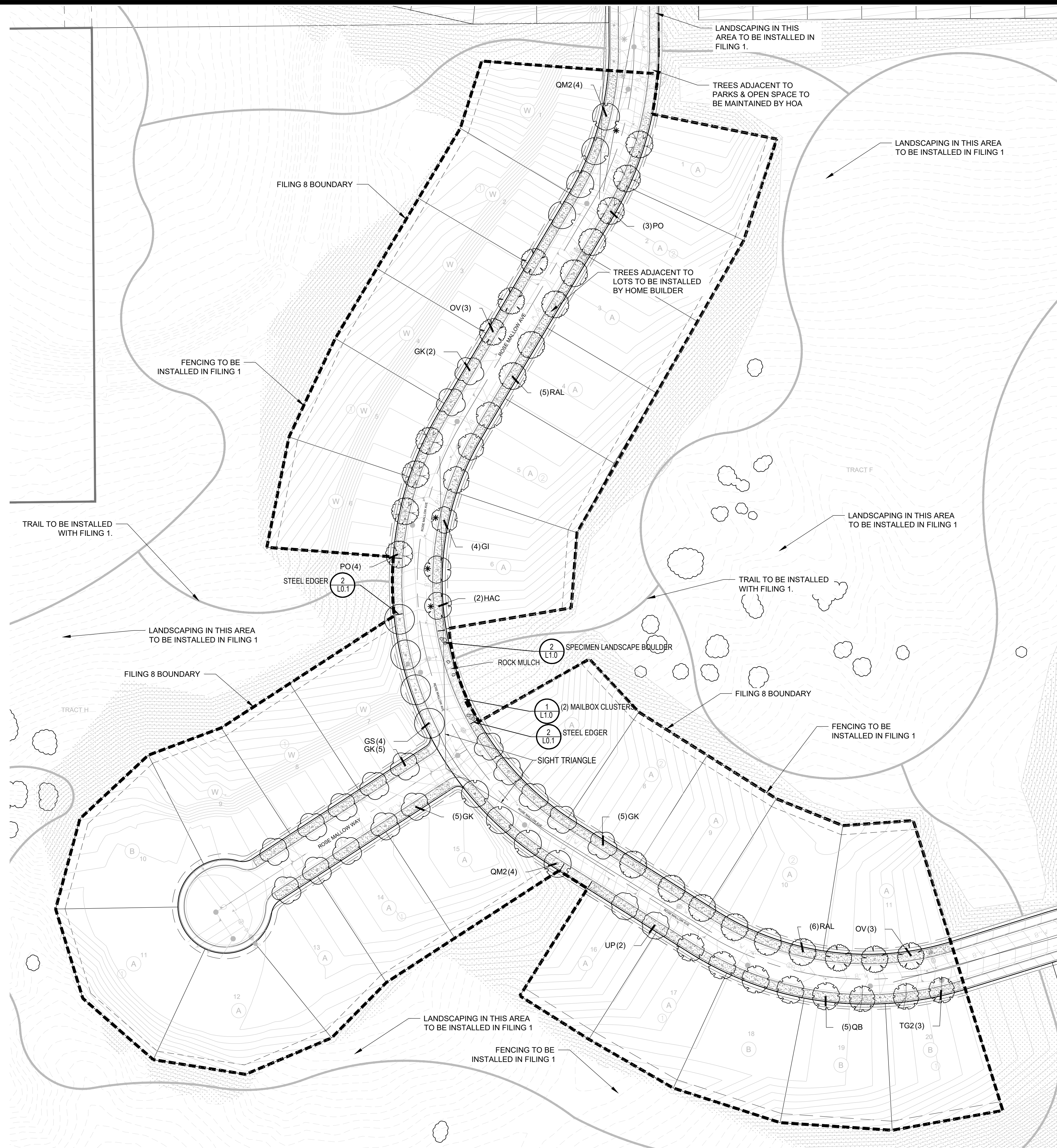
Sheet Name  
LANDSCAPE NOTES & PLANT SCHEDULE

Sheet Number

L0.1

Y:\HSS\_RANCH\LANDSCAPE\_ARCHITECTURE\CURRENT DWGS\HSS-LDSCP PLANS - FILING & DWG Thursday, December 21, 2017

Y:\HESSE\_RANCH\LANDSCAPE\_ARCHITECTURE\CURRENT DWGS\HESSE-LDSCP PLANS - FILING 8.DWG  
Thursday, December 21, 2017



**PLANT & GROUNDCOVER LIST**

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL / SIZE	HT X SPD
HAC	2	CELTIS OCCIDENTALIS	COMMON HACKBERRY	B & B	2.5\"CAL	50' X 30'
GS	4	GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER'™	SHADEMASTER LOCUST	B & B	2.5\"CAL	45' X 50'
GI	4	GLEDITSIA TRIACANTHOS 'IMPERIAL'	IMPERIAL HONEYLOCUST	B & B	2.5\"CAL	45' X 45'
GK	17	CYMNOCALDIUS DIOICA	KENTUCKY COFFEE TREE	B & B	2.5\"CAL	45' X 50'
OV	6	OSTRYA VIRGINIANA	AMERICAN HORNBEEAM	B & B	2.5\"CAL	30' X 30'
PO	7	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	B & B	2.5\"CAL	80' X 80'
QB	5	QUERCUS BICOLOR	SWAMP WHITE OAK	B & B	2.5\"CAL	50' X 50'
QM2	8	QUERCUS MUEHLENBERGII	CHINKAPIN OAK	B & B	2.5\"CAL	50' X 50'
RAL	11	TILIA AMERICANA 'REDMOND'	REDMOND AMERICAN LINDEN	B & B	2.5\"CAL	50' X 30'
TG2	3	TILIA CORDATA 'GLENLEVEN'	GLENLEVEN LITTLELEAF LINDEN	B & B	2.5\"CAL	60' X 50'
UP	2	ULMUS AMERICANA 'PRINCETON'	AMERICAN ELM	B & B	2.5\"CAL	50' X 40'

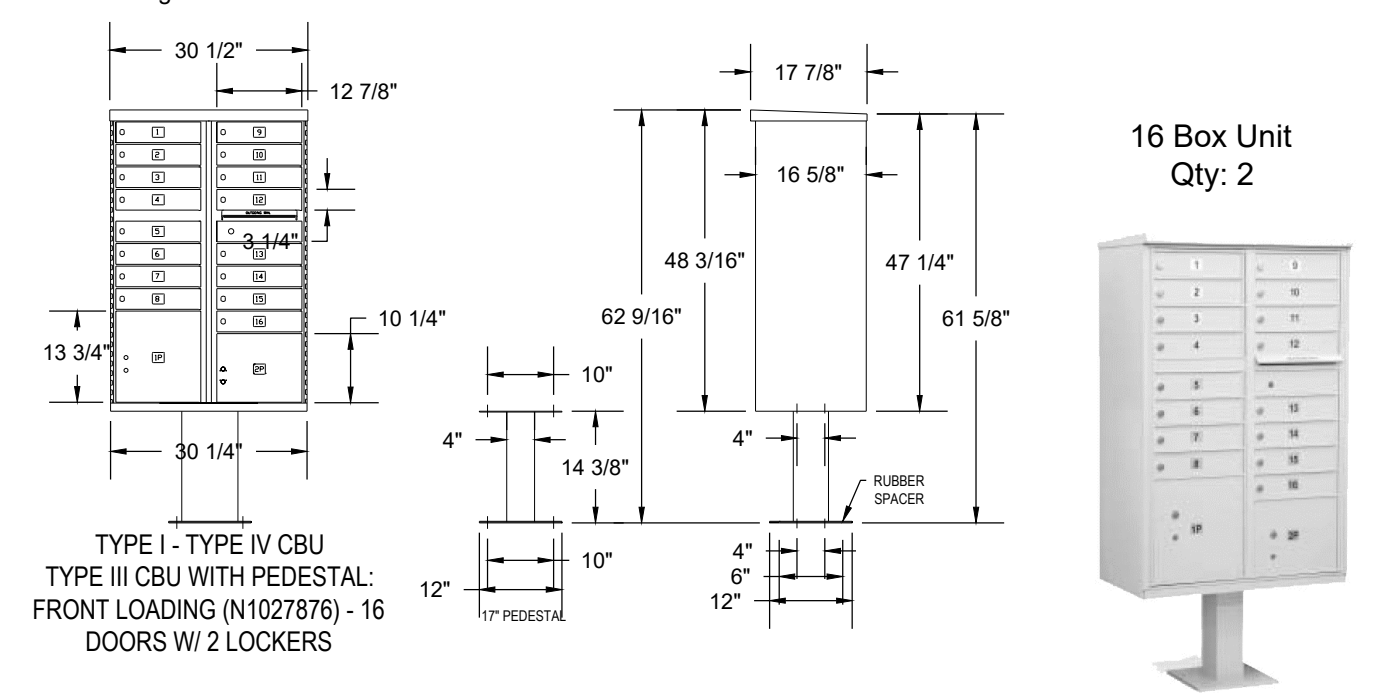
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT
	24,163 SF	ENVIROTURF RE: LANDSCAPE NOTES/STREETSCAPE ONLY	ENVIROTURF	SOD
	1,648 SF	ROCK MULCH GREY, 2\" DIA. COBBLE 3\" DEPTH, RE: LDSCP NOTES	ROCK MULCH GREY, 2\" DIA. COBBLE	MULCH

\* TREES CANOPIES WILL BE NO LONGER THAN 8 FEET WITHIN THE SIGHT TRIANGLE

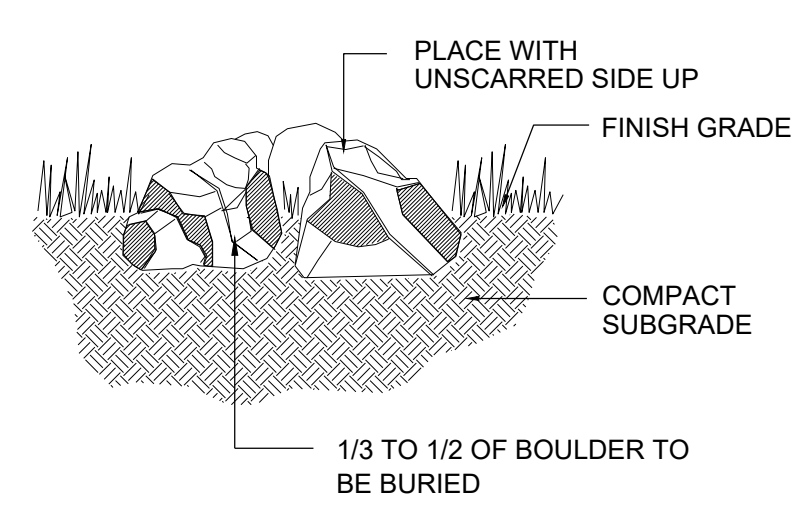
Note:  
Final Mailbox Locations, Sizes and Specifications to be Coordinated and Approved by the U.S. Post Master.

- Notes:  
1. Installation to be completed in accordance with specifications by factory authorized installers.  
2. Contractor to verify concrete pad dimension & construction specifications with USPS before constructing  
3. Contractor to make submittals for mailbox cluster units for review & approval, with pricing info, prior to ordering clusterboxes.

POSTAL PRODUCTS UNLIMITED, INC  
500 W OKLAHOMA AVE.  
MILWAUKEE, WI 53207  
TOLL FREE: 1-800-229-4500  
PHONE: (414) 290-1500  
FAX: (800) 570-0007  
www.mailproducts.com

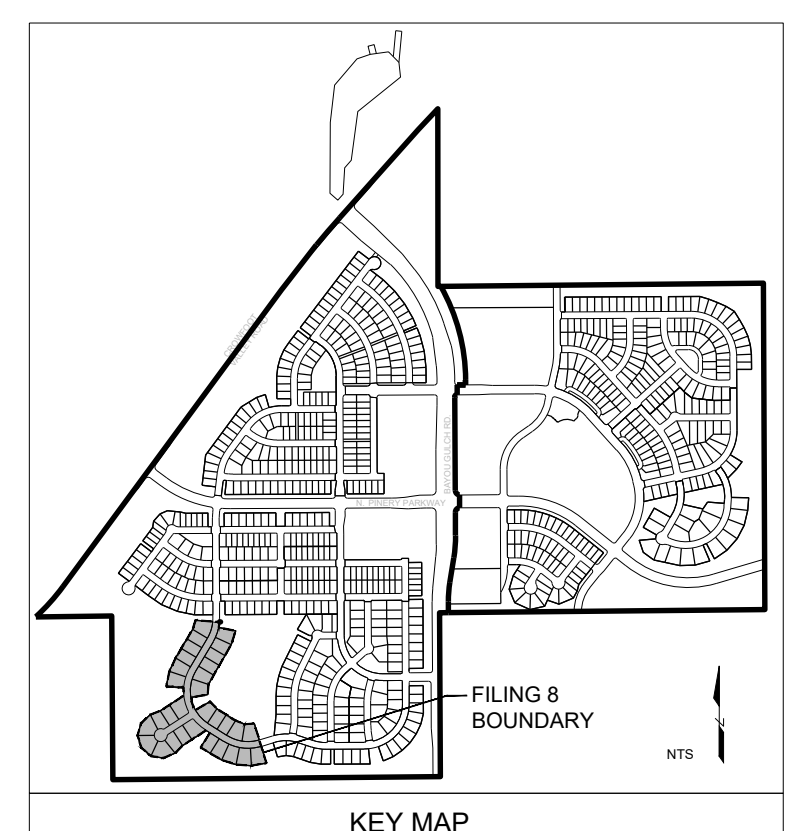


1 MAILBOX CLUSTER



- NOTES:  
1. DO NOT FRACTURE BOULDER DURING PLACEMENT, SUCH ACTION WILL BE CAUSE FOR REJECTION.  
2. SELECT AND PLACE BOULDER SO THAT A MINIMUM OF EXCAVATION SCARS ARE VISIBLE.  
4. RE: PLANS FOR SPECIFIC SIZES  
5. BOULDERS SHALL NOT EXCEED 3' IN HEIGHT ABOVE FINISHED GRADE

2 SPECIMEN LANDSCAPE BOULDER



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Know what's below. Call before you dig. 811

Sheet Name: OVERALL LANDSCAPE PLAN  
Sheet Number: L1.0